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SALARIES 1985

ANALYSIS OF THE AMERICAN CHEMICAL SOCIETY'S 1985 SURVEY OF SALARIES AND EMPLOYMENT

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INTRODUCTION AND ACKNOWLEDGMENT

This report presents detailed results of the 1985 Comprehensive Salary and Employment Status Survey. A summary of the 1985 findings was published in the July 8, 1985 issue of Chemical and Engineering News.

General oversight of the survey and its analysis was provided by the ACS joint Board-Council Committee on Economic Status, headed by Attila E. Pavlath[1], and by its subcommittee on surveys, chaired by Jack G. Kay[2]. The committee expresses its gratitude to the more than 44,000 ACS members who provided an invaluable service to the profession by completing the survey questionnaire.

This year far more than the usual number of ACS members participated in the annual survey. The large number of respondents allows a much more detailed investigation of subgroups that in other years have had few representatives in the survey sample. The analysis will appear in forthcoming ACS publications and will be the basis of a symposium at the spring 1986 ACS national meeting. The symposium is a project of the ACS Task Force on Women Chemists, headed by Nina M. Roscher[3].

Terrence Russell and Nguyen Bailey of ACS Statistical Services prepared this report, and Dr. Russell wrote the summary and comment on the following pages.

Bob Jones, Manager
Statistical Services

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[2]Dr. Kay is a chemistry professor at Drexel University, Philadelphia, PA.
[3]Dr. Roscher is a chemistry professor at American University, Washington, DC.

SUMMARY AND COMMENT
Dr. Terrence Russell*

Employment and Unemployment

Among ACS member chemists the overall unemployment rate as of March 1 decreased for the second consecutive year. In 1985 the rate declined to 1.4%, after having been 1.7% in 1984 and 2.2% in 1983. The percent of chemists employed full-time rose 1.5% percentage points to 95.2% as the percent of part-time workers decreased. Each tenth of a percentage point represents approximately 90 ACS members in the U.S. work force.

Women. The unemployment rate for women chemists was 2.1%; for men, 1.3%. This difference can be partially accounted for by the relative youth of the women in the Society and by their relative lack of advanced degrees. Although 55% of the women are less than 35, only 27% of the men are so young, and whereas 70% of the men hold advanced degrees, only 54% of the women do.

Minorities. Among minority chemists, a much smaller fraction than last year held postdoctoral positions: 4.8% compared with 8.3% a year ago.

Non-Academic Chemists. Unemployment rates were not uniform for all members. Generally speaking, unemployment rates in the non-academic cohort were higher for women, minority group members, chemical engineers, those who had the B.S. as the highest degree, and for those less than 30 years old.

As the level of general unemployment fell, the percent of unemployed chemists experiencing long periods of unemployment decreased. In 1984, 44.1% of those who were unemployed on March 1 had been unemployed for 8 months or more, whereas in 1985 only 40.5% had been unemployed even for as long as 7 months.

Academic Chemists. Among academics, full-time employment was 90.7% for men, 77.6% for women and 88.4% overall. A larger percent of both men and women held postdoctoral fellowships in 1985 than in 1984. The percent who held postdoctoral positions was somewhat larger among women than among men: 7.9% vs 6.3%). The most striking feature of the academic employment picture is the large percent of part-time workers among women PhDs: of the women who work in two-year, four-year and MS-granting departments approximately 16% are employed part-time: roughly 10 times the rate for men. Accordingly, women constitute only 16% of the academic chemistry work force but 52% of the part-timers.

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*Dr. Russell is staff associate in the ACS Office of Statistical Services.

Recruiting

Reflecting the unsettled economic picture in the chemical industry, the recruitment of recent graduates declined during 1984-85. The College Placement Council's CPC Salary Survey issued July, 1985 showed an 8% increase in the number of offers made to chemical engineering graduates during the 1984-85 academic year as compared with 1983-84 (2263 vs 2096). Offers to B.S. chemists decreased by 12% (169 vs 193). Among new PhDs, an increase of 28% was reported for chemical engineers (209 offers vs 163 offers). Offers to PhD chemists declined in number by 24% (215 vs 282).

Salaries

Median salaries reported in the survey showed modest gains. The overall median salary for PhD chemists increased approximately 5% (to $44,000) while master's degree chemists reported an increase of 6% to $36,000 and the bachelor's degree chemists median salary increased 4% to $32,000. Although the March-to-March increase in the consumer price index (4%) was less than in recent years only the salary increases for PhDs and masters represented increases in constant dollars. Because salaries are not much different from one region to another or from one employment sector to another, the increases do no show interesting geographic or sectoral differences.

PhDs in industrial jobs fared better than their academic colleagues even after academic year salaries were adjusted to a 12 month base: the median salary of all industrial PhDs was $51,800; the salary of academic PhDs adjusted to a 12 month base: $39,600. Salaries differ widely among academic chemists according to seniority, academic rank and academic assignment: teaching, research, or administration.

Briefly, we note that salary differences between men and women shown in past editions of this survey report persist. In industry, the age-adjusted average salary for women PhDs was 89% of that for men, in government 86%, and in academia 80%. Most of the difference represents differentials between the salaries in management and administration (where there are few women) and the salaries in research and teaching (where nearly all the women are).

Detailed analyses of the salaries and working conditions of women chemists will appear later this year and in 1986. In addition to the tables presented in this book, ACS will publish other reports of the results of the survey, dealing with items on the questionnaire that are not covered here, such as attitudes toward one's job, the structure of responsibility in the job, the effect of two-career marriages, and the career characteristics of immigrants.

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TECHNICAL NOTES

The target population of the 1985 Comprehensive Salary and Employment Status Survey was those ACS members who had U.S. mailing addresses, were not older than 70, and had neither student nor emeritus status. On January 31, 1985 the ACS membership totalled 134,019, of which 86,609 were eligible for inclusion in the survey.

The survey questionnaires were mailed to this group of members by bulk mail during the week of February 18-22. By the May 15 cut-off date, 43,754 (50.5%) usable questionnaires had been returned.

The survey data were processed on the Alpha-Micro computer at the ACS Statistical Services. Computer programs for the processing were written by Harry Foxwell, Bob Jones, and Sandy Schowgurow.

Definitions

For the purposes of the survey analysis only, the following definitions were used:

Chemist:	a respondent who indicated a work specialty of chemistry or biochemistry (categories 2 through 14 of question Ib on the questionnaire).
Chemical Engineer:	a respondent who indicated a work specialty of chemical engineering (category 1 of question Ib on the questionnaire).
Unemployed:	a respondent who is unemployed and seeking employment (category 4 of question Id on the questionnaire).
Academic Salaries:	For those respondents indicating academic year contracts, base salary figures were multiplied by 11/9 to provide a direct comparison with respondents on calendar year contracts.

This report represents the respondents' principal annual salaries as of March 1, 1985. The respondent's age is given as of March 1, 1985. A respondent's state and geographic region refer to place of residence rather than place of employment.

Proportions

The proportion of people falling within a certain cell in one of the tables is a sample proportion. The sample proportion is used to make statements about the corresponding population proportion, but, of course, the sample proportion generally is not exactly equal to the population proportion. A useful estimate of the representiveness of the sample proportion is the confidence interval. Such an interval estimate is illustrated in the following statement. "We assert with 95% confidence

that the population proportion is between 0.4 and 0.06." A simple but adequate formula for a confidence interval centered on the sample proportion is

$$p(\text{lower}) = \hat{p} - z[\hat{p}(1-\hat{p})/n]$$

$$\text{and } p(\text{upper}) = \hat{p} + z[\hat{p}(1-\hat{p})/n]$$

where $p(\text{lower})$ = lower boundary of the interval
$p(\text{upper})$ = upper boundary of the interval
$\hat{p}$ = the sample proportion
z = a function of the level of confidence and is found in a table of the standard normal distribution.
n = the sample size

Inspection of the formula shows that the width of the confidence interval is inversely proportional to the square root of the sample size, so that proportions derived from small samples are not as precise as ones drawn from large samples. Also, if non-respondents differ from respondents with regard to the characteristics under consideration, the formula will overstate precision because the formula is based on assumption of 100% response.

Suppose a confidence interval is required for a group containing 1900 sample members. If the sample contains 95 persons with a specific characteristics, then the numbers that go into the formula are $p=95/1900=0.05$ and $n=1900$. For a 95% confidence interval, z is about 2. Putting these numbers into the formula above we have

$$\begin{aligned} p(\text{lower}) &= \hat{p} - z[\hat{p}(1-\hat{p})/n] \\ &= 0.05 - 2[0.05((0.95)/1900] \\ &= 0.05 - 0.01 \\ &= 0.04 \end{aligned}$$

$$\begin{aligned} \text{and similarly, } p(\text{upper}) &= 0.05 + 0.01 \\ &= 0.06 \end{aligned}$$

Thus, a 95% confidence interval for p is from 4.0% to 6.0%. Although we cannot say that the population proportion is exactly 5.0%, we can be confident that it is between 4.0% and 6.0%. The 95% level of confidence means roughly that if this procedure were followed a large number of times using different samples of the same size, the population proportion would be within the calculated interval about 95% of the time.

Small Cell Count

If the number of responses in a cell of a salary table is small, then the sample salary statistics for that cell may not accurately estimate the corresponding population salary statistics. In general, a cell containing fewer than 15 responses does not provide a useful estimate of the median salary, and a cell containing fewer than 25 responses does not provide a useful estimate of the 25th or the 75th salary percentile.

Percentiles

If a sample of size n is arranged in ascending order of magnitude, the jth percentile Pj, j=1,2...or 99 is given by the (j(n+1)/100)th value. If (j(n+1)/100) is not an integer, then the jth percentile is a weighted average of the two values whose ranks are closests to (j(n+1)/100).

Discrepancies Among Tables

Some pairs of tables contain totals that should be identical but are not. for example, two tables that present information about PhD respondents should show the same total number of PhDs. They might, however, show different totals. To illustrate, if one table groups the PhDs according to specialty and the other groups them according to geographic region, the totals will differ unless the number who did not indicate their specialty is the same as the number who did not indicate their geographic region.

Comparing Salaries

Often questions arise concerning B.S. chemists' salaries as compared with M.S. chemists', or chemists' salaries as compared with chemical engineers'. These and similar comparisons require caution.

Statistical tests should be performed to determine whether observed differences in salaries of various sample groups could be mere chance occurrences resulting from peculiarities of the sample. Whether a difference in salaries is "statistically significant" depends not only on the magnitude of the difference but also on the sample size and the magnitudes of the sample standard deviations.

References for statistical tests of significance can be found in Numerical and Statistical Techniques, by J. H. Pollard, Handbook of Tables for Probability and Statistics, published by the Chemical Rubber Company, and other similar texts.

GEOGRAPHIC REGIONS

PACIFIC

- Alaska
- California
- Hawaii
- Oregon
- Washington

MOUNTAIN

- Arizona
- Colorado
- Idaho
- Montana
- Nevada
- New Mexico
- Utah
- Wyoming

WEST NORTH CENTRAL

- Iowa
- Kansas
- Minnesota
- Missouri
- Nebraska
- North Dakota
- South Dakota

WEST SOUTH CENTRAL

- Arkansas
- Louisiana
- Oklahoma
- Texas

EAST NORTH CENTRAL

- Illinois
- Indiana
- Michigan
- Ohio
- Wisconsin

EAST SOUTH CENTRAL

- Alabama
- Kentucky
- Mississippi
- Tennessee

MIDDLE ATLANTIC

- New Jersey
- New York
- Pennsylvania

SOUTH ATLANTIC

- Delaware
- District of Columbia
- Florida
- Georgia
- Maryland
- North Carolina
- South Carolina
- Virginia
- West Virginia

NEW ENGLAND

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island
- Vermont

Table 1.1.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS
by DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Bachelors	27180	30000	36000	44000	50000	55000	60000	64530	62030	67620	---	52000	- 90th %-ile
	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000	- 75th %-ile
	21000	23000	28000	33000	36900	40000	43000	44000	43750	46000	---	32500	- 50th %-ile
	17500	20000	24000	28000	31000	34000	37000	37000	36000	37500	---	25300	- 25th %-ile
	15000	17000	21000	24700	25760	27440	30000	30560	29000	29350	---	21000	- 10th %-ile
	21265	23552	28516	33748	37611	41046	44037	45903	45049	47344	---	34887	- Mean
	6179	6106	6690	8273	10385	11217	12652	13397	13265	15107	---	12902	- Std Dev
	271	1,097	1,619	1,031	715	637	603	646	568	268	0	7,455	- Count
Masters	---	31000	39000	45000	52450	58000	62840	65630	70000	75000	49440	56000	
	---	29000	34150	39350	45000	50000	53000	54950	55700	59000	40500	47000	
	60500	26100	30000	34500	38950	42000	45000	47000	48000	49000	32500	38000	
	---	24000	26450	30000	33000	36000	37800	40000	40000	38950	27600	30075	
	---	20520	22540	26000	28000	29000	31000	33500	32100	29000	23550	25910	
	60500	26307	30511	34945	39567	43053	45584	48167	49376	49325	34590	39770	
	---	4721	6488	7779	10169	11459	12873	13222	15105	16986	8785	12894	
	1	151	813	921	704	529	423	460	449	189	10	4,650	
Doctorate	---	63760	43200	51550	60500	68180	72000	77000	80000	85000	60080	69000	
	---	51700	40000	46500	53675	60000	63000	67000	68000	76000	54525	58000	
	---	36000	38000	42000	47500	52000	54850	57000	57500	60750	45000	48000	
	---	33500	35600	38000	41000	45000	46575	48000	50000	49000	37600	40000	
	---	30800	33000	34500	36100	38780	39000	40000	41000	40550	32630	36000	
	---	41615	38039	42460	47994	52928	55210	57562	58693	61721	46829	50237	
	---	12080	4736	7644	10458	12485	13486	15235	14516	17562	10261	13763	
	0	13	1,139	1,824	2,012	1,827	1,178	1,144	840	570	28	10,575	
No response	---	---	---	---	---	---	---	---	---	---	60000	60000	
	---	---	---	---	---	---	---	---	---	---	50000	50000	
	---	---	---	---	---	---	---	---	---	---	39000	39000	
	---	---	---	---	---	---	---	---	---	---	30000	30000	
	---	---	---	---	---	---	---	---	---	---	24500	24500	
	---	---	---	---	---	---	---	---	---	---	40519	40519	
	---	---	---	---	---	---	---	---	---	---	14671	14671	
	0	0	0	0	0	0	0	0	0	0	167	167	
TOTAL	27480	30000	40500	49600	58880	65000	69000	72000	73000	80000	60000	63000	
	24000	27000	37000	43700	50300	56000	60000	62000	61000	68500	50000	51600	
	21000	23800	32000	38000	43000	48000	50000	50000	50000	54000	40000	41000	
	17550	20000	26700	32000	36800	40000	40225	42000	41000	43000	31000	32400	
	15000	17120	22500	27000	30000	33000	33350	35000	34000	34000	25000	25000	
	21409	24068	32008	38248	44101	48654	50306	52294	52267	55688	41091	43027	
	6610	6363	7393	8855	11387	13193	14161	15312	15516	18143	14119	15009	
	272	1,261	3,571	3,776	3,431	2,993	2,204	2,250	1,857	1,027	205	22,847	

Table 1.1.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - MEN Only
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Bachelors	24500	27000	32500	39000	43000	49375	50000	54000	53750	56000	---	44000	- 75th %-ile
	21000	23400	28500	33450	37000	41000	43950	45000	45000	47350	---	35000	- 50th %-ile
	18000	20000	24800	29000	32000	35000	38000	38000	37000	38000	---	27000	- 25th %-ile
	21811	23899	29045	34438	38356	42115	44857	46438	45759	47395	---	36720	- Mean
	7377	6851	6813	8448	10401	11142	12592	13210	13224	15073	---	13145	- Std Dev
	140	660	1,150	860	599	540	540	599	521	236	0	5,845	- Count
Masters	---	29000	34900	40000	45600	51000	54000	55000	56000	60000	48400	48500	
	60500	26200	30200	34800	39600	44000	45700	47400	48500	49700	36000	39000	
	---	24000	27000	30000	34000	37000	39000	40000	40000	40000	26475	32000	
	60500	26247	30971	35233	40264	44471	46733	48916	49582	50046	36717	41078	
	---	4035	6564	7748	10146	11120	12653	12899	15033	16388	10629	13005	
	1	89	565	753	586	434	359	423	414	176	6	3,806	
Doctorate	---	59000	40000	46800	54000	60000	63000	67000	67925	75250	54525	59000	
	---	37200	38000	42000	48000	52200	55000	57550	57600	60300	45000	49000	
	---	32000	35600	38000	41375	45000	47500	48500	50000	49050	37600	40500	
	---	42745	38127	42607	48315	53310	55817	57751	58748	61634	46829	50759	
	---	12882	4516	7290	10363	12452	13118	15119	14435	17523	10261	13707	
	0	11	951	1,617	1,874	1,721	1,100	1,096	810	541	28	9,749	
No Response	---	---	---	---	---	---	---	---	---	---	51000	51000	
	---	---	---	---	---	---	---	---	---	---	41750	41750	
	---	---	---	---	---	---	---	---	---	---	32550	32550	
	---	---	---	---	---	---	---	---	---	---	42958	42958	
	---	---	---	---	---	---	---	---	---	---	14311	14311	
	0	0	0	0	0	0	0	0	0	0	128	128	
TOTAL	24550	27600	38000	44000	51000	57800	60000	62175	61300	68500	51250	53000	
	21000	24000	33000	38700	44000	49700	50000	51000	51000	54000	43500	43000	
	18000	20000	27400	33000	37500	41000	42000	42000	42000	44000	34000	35000	
	22086	24447	32693	38713	44822	49643	51225	52787	52695	55968	43396	44619	
	8041	7094	7301	8651	11237	12961	13868	15095	15363	17960	13660	14824	
	141	760	2,666	3,230	3,059	2,695	1,999	2,118	1,745	953	162	19,528	

Table 1.1.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - W men Only
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	24000	25900	31000	34800	38200	40000	42250	44500	43000	55000	---	32400 - 75th %-ile
	21000	23000	27000	30000	33000	35000	36000	34200	36000	41000	---	26500 - 50th %-ile
	17200	20000	23175	26000	26700	27850	28950	28500	30000	35000	---	22100 - 25th %-ile
	20681	23044	27124	30108	33419	35095	37153	38467	36898	46068	---	28091 - Mean
	4521	4737	5802	6174	8663	9714	10974	12782	9484	14979	---	8971 - Std Dev
	131	433	466	165	111	97	62	45	45	31	0	1,590 - Count
Masters	---	29100	33000	37325	41000	42750	44600	48750	50000	41000	36000	39000
	---	26000	29000	33000	35000	36650	40000	40000	41000	33750	30000	32000
	---	23675	26000	28950	30000	28775	32200	27250	34200	23000	28200	27000
	---	26392	29467	33692	36068	36492	38495	39372	43926	33040	31400	33509
	---	5595	6211	7826	9630	10893	11212	14152	13571	11853	4543	9815
	0	62	247	166	117	92	63	36	31	10	4	828
Doctorate	---	---	40000	45000	48900	51475	52400	62525	63200	64750	---	47850
	---	35400	37300	40000	43000	44900	44000	50000	54000	48250	---	40000
	---	---	35400	36000	37450	39100	34250	37850	41750	44750	---	36000
	---	35400	37580	40588	43017	45144	44462	50020	53183	53400	---	42466
	---	566	5727	8484	9730	10032	14039	15714	15904	15203	---	10770
	0	2	187	201	133	110	69	40	24	18	0	774
No Response	---	---	---	---	---	---	---	---	---	---	37500	37500
	---	---	---	---	---	---	---	---	---	---	29000	29000
	---	---	---	---	---	---	---	---	---	---	24550	24550
	---	---	---	---	---	---	---	---	---	---	30703	30703
	---	---	---	---	---	---	---	---	---	---	9779	9779
	0	0	0	0	0	0	0	0	0	0	37	37
TOTAL	24000	26350	35000	40000	44000	46000	46425	51000	50000	55000	37000	39000
	21000	23500	30000	35000	37600	38500	39750	40000	40400	44000	30000	31400
	17200	20350	25000	29125	30700	31000	32000	31600	32150	35000	24800	25000
	20681	23512	29939	35186	37762	39259	40189	42555	42985	46097	30771	32956
	4521	5019	7146	8813	10217	11264	12532	15049	14031	15860	9362	11252
	131	497	900	532	365	289	194	121	100	59	41	3,229

Table 1.2.1

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1985 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Industry	24150	27000	32600	39000	43000	49000	50000	54000	52250	56000	---	42000 - 75th %-ile
	21450	23700	28500	33300	37600	40000	43100	44700	44000	46000	---	33000 - 50th %-ile
	18300	20850	25000	29000	32000	34850	37800	38000	36725	38000	---	26000 - 25th %-ile
	21596	24125	29057	34441	38753	41685	44741	46375	45531	47763	---	35435 - Mean
	5033	5769	6431	8386	10016	11046	12579	12943	12869	14595	---	12725 - Std Dev
	232	917	1,364	841	577	505	497	539	478	219	0	6,169 - Count
Government	21525	23850	30000	34800	36450	44100	46400	52500	49825	56800	---	40000
	17250	20000	24700	30000	31000	37000	41100	41500	41100	41300	---	31500
	14500	17525	21000	26000	25250	30150	34000	36000	33450	34300	---	24000
	21294	20758	25142	30570	31467	37741	41718	45551	43558	42600	---	33288
	14308	5442	5406	6628	8242	9932	11663	14668	14570	15386	---	12834
	18	92	125	132	101	97	71	73	66	35	0	810
Other	20250	24000	29550	35000	42800	46200	47500	50000	49875	54900	---	36000
Non-profit,	16800	19000	25000	30000	33550	42400	41000	36000	38900	50000	---	27000
Self-employed	13950	15700	21000	25900	25500	30000	29000	26425	28250	35500	---	20725
	17581	20506	25706	30936	35517	40991	38740	39185	39563	48192	---	30113
	5773	8198	7610	7808	13419	15142	14089	16036	16152	17863	---	13581
	21	88	129	58	36	35	35	34	24	12	0	472
No Response	---	---	---	---	---	---	---	---	---	---	---	81750
	---	---	75000	---	75000	---	---	---	---	79500	---	75000
	---	---	---	---	---	---	---	---	---	---	---	75000
	---	---	75000	---	75000	---	---	---	---	79500	---	77250
	---	---	---	---	---	---	---	---	---	6364	---	4500
	0	0	1	0	1	0	0	0	0	2	0	4
TOTAL	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000
	21000	23000	28000	33000	36900	40000	43000	44000	43750	46000	---	32500
	17500	20000	24000	28000	31000	34000	37000	37000	36000	37500	---	25300
	21265	23552	28516	33748	37611	41046	44037	45903	45049	47344	---	34887
	6179	6106	6690	8273	10385	11217	12652	13397	13265	15107	---	12902
	271	1,097	1,619	1,031	715	637	603	646	568	268	0	7,455

Table 1.2.2

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1985 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Industry	---	29000	34650	40000	46000	50850	55000	55000	56000	60900	45250	47975 - 75th %-ile
	60500	26500	30300	35000	39400	43500	46000	48000	48500	50000	32500	38400 - 50th %-ile
	---	25000	27000	30000	34200	36450	40000	40000	40000	40000	28200	31000 - 25th %-ile
	60500	26931	30988	35719	40451	43862	47401	49115	49611	51431	35038	40391 - Mean
	---	4273	6368	7618	9929	11325	12095	12469	14626	16769	9506	12663 - Std Dev
	1	127	709	742	579	421	322	366	361	144	8	3,780 - Count
Government	---	26500	29250	36900	41000	45000	47000	54000	55000	55000	---	45000
	---	23850	26700	31550	34000	39000	40000	45550	46500	41000	38000	35800
	---	17800	22000	26225	28000	32000	33000	36000	36075	32750	---	28100
	---	22929	26358	31686	35384	39119	40255	45879	47645	43380	38000	37455
	---	4617	5957	6816	9478	9970	12347	14703	17129	14645	---	12971
	0	14	50	106	89	75	67	62	56	25	1	545
Other	---	26250	32850	36950	43000	50000	47550	50750	52000	45475	---	43800
Non-profit,	---	20750	28500	29200	34700	40100	39000	42900	45000	40000	27600	34000
Self-employed	---	17900	23000	25800	27700	33000	28950	32050	40000	24750	---	26000
	---	23110	28094	31814	35683	41661	37639	41759	46872	37056	27600	35618
	---	7101	6721	8740	12254	14357	14452	16406	14983	11723	---	13252
	0	10	54	73	36	33	33	32	29	18	1	319
No Response	---	---	---	---	---	---	---	---	80000	---	---	82500
	---	---	---	---	---	---	80000	---	78000	82500	---	79000
	---	---	---	---	---	---	---	---	75000	---	---	75000
	---	---	---	---	---	---	80000	---	77667	82500	---	79667
	---	---	---	---	---	---	---	---	2517	10607	---	5538
	0	0	0	0	0	0	1	0	3	2	0	6
TOTAL	---	29000	34150	39350	45000	50000	53000	54950	55700	59000	40500	47000
	60500	26100	30000	34500	38950	42000	45000	47000	48000	49000	32500	38000
	---	24000	26450	30000	33000	36000	37800	40000	40000	38950	27600	30075
	60500	26307	30511	34945	39567	43053	45584	48167	49376	49325	34590	39770
	---	4721	6488	7779	10169	11459	12873	13222	15105	16986	8785	12894
	1	151	813	921	704	529	423	460	449	189	10	4,650

Table 1.2.3

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1985 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Industry	---	37350	40000	47000	54925	61650	64800	68750	69000	76900	54050	59000	- 75th %-ile
	---	36000	38000	42000	48450	54000	56000	58700	58000	62000	45000	49000	- 50th %-ile
	---	33500	36000	38500	42000	46900	49000	49875	50000	50000	36400	40025	- 25th %-ile
	---	37833	38474	42975	49080	54477	56765	58354	59359	63090	46528	50704	- Mean
	---	8181	4435	6905	9910	12108	13130	15424	14340	17848	10624	13515	- Std Dev
	0	9	1,024	1,580	1,618	1,405	888	874	612	397	25	8,432	- Count
Government	---	---	36000	43600	47200	53500	57600	64000	68000	67000	58000	57000	
	---	63050	33000	38000	42000	46000	50000	55000	58000	54400	45000	47000	
	---	---	31200	32600	36700	40000	42000	47000	49000	47375	45000	39475	
	---	63050	33859	37988	42625	47320	50987	55944	59114	56008	49333	48668	
	---	5020	5823	7565	10574	10988	12785	13246	13783	15396	7506	13863	
	0	2	73	126	241	270	199	192	154	102	3	1,362	
Other	---	---	38100	44175	50000	55400	56000	60250	57500	72500	---	54700	
Non-profit,	---	37200	34900	39100	42700	46850	48000	50050	52000	59000	---	45000	
Self-employed	---	---	30675	32000	37000	39575	40000	41850	42000	45000	---	37000	
	---	37200	34702	38715	44496	48099	47893	51099	50554	59057	---	46557	
	---	10182	5012	10145	11977	13890	13700	15491	15121	16549	---	14389	
	0	2	42	114	151	150	87	74	69	61	0	750	
No Response	---	---	---	93125	---	---	80750	87500	79000	87250	---	85000	
	---	---	---	85750	80000	84500	80000	80000	75000	79600	---	80000	
	---	---	---	81000	---	---	76250	77750	75000	77500	---	75500	
	---	---	---	86625	80000	84500	79000	81750	76600	81930	---	81316	
	---	---	---	6369	7071	13435	2708	5679	3578	6580	---	6286	
	0	0	0	4	2	2	4	4	5	10	0	31	
TOTAL	---	51700	40000	46500	53675	60000	63000	67000	68000	76000	54525	58000	
	---	36000	38000	42000	47500	52000	54850	57000	57500	60750	45000	48000	
	---	33500	35600	38000	41000	45000	46575	48000	50000	49000	37600	40000	
	---	41615	38039	42460	47994	52928	55210	57562	58693	61721	46829	50237	
	---	12080	4736	7644	10458	12485	13486	15235	14516	17562	10261	13763	
	0	13	1,139	1,824	2,012	1,827	1,178	1,144	840	570	28	10,575	

Table 1.3.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
STATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
CALIFORNIA	30000	28000	34775	40000	43300	47000	50600	51000	51500	50500	---	41475 - 75th %-tile
	26500	24600	30000	35000	36450	41500	43500	40000	41400	41000	---	33000 - 50th %-tile
	20350	22000	25150	30000	30125	33250	38250	35000	36000	38500	---	27000 - 25th %-tile
	28353	25279	30259	35763	38382	40587	45429	42338	44900	46543	---	35635 - Mean
	12975	4680	7376	8659	11556	9644	12179	11993	15996	13957	---	12023 - Std Dev
	17	95	154	97	56	60	56	47	41	21	0	644 - Count
TEXAS	24350	29125	34625	40100	46075	54000	50000	52750	63000	60000	---	42500
	20000	25000	29850	35500	35700	43000	45000	44750	49500	45000	---	33000
	14500	21300	25275	27750	26125	36000	35375	36000	35375	28000	---	26000
	19320	25536	29954	34863	36845	45581	44465	46926	50385	42914	---	35602
	5166	6257	5994	9305	13215	14739	10314	16323	16035	19209	---	13707
	10	70	90	54	40	27	26	38	26	7	0	388
ILLINOIS	22050	25000	32000	37400	42000	49000	50500	47800	56000	54500	---	40000
	20750	22000	27300	33000	34400	40000	44000	40500	47550	42000	---	31000
	18575	20000	23700	27500	30000	34500	36400	32000	35000	35950	---	24500
	20572	22411	28381	33351	36664	41745	42924	43225	46734	44710	---	33903
	3047	4046	7328	6725	11121	10007	13803	16693	14600	14203	---	13101
	18	81	109	59	39	40	37	36	38	21	0	478
MICHIGAN	25400	28000	34575	39600	44500	48425	48500	51550	54250	57750	---	40000
	23700	24000	30000	33500	39000	40000	42450	48000	43250	50000	---	32000
	21000	21500	26125	30000	33800	36375	37975	37000	34500	39500	---	26000
	22874	24368	30421	35130	39958	41236	44722	47028	43865	48200	---	34454
	3753	5409	5775	8760	8581	11879	11629	11196	11582	11059	---	11264
	19	59	100	53	33	28	18	25	20	9	0	364
OHIO	23225	27875	32000	38925	44850	47175	50625	54000	50000	60000	---	45000
	21650	24500	29000	32750	37750	40000	46350	45000	40000	50800	---	34000
	19525	21600	24000	26975	32050	33250	37800	38000	34000	34200	---	26000
	21275	25608	28809	34074	39094	39952	44732	46622	41942	46512	---	36045
	3060	8531	6637	8518	11408	9524	13000	11564	10566	16862	---	12381
	12	60	111	58	36	56	34	59	50	17	0	493
NEW JERSEY	24000	27200	33375	38475	48175	47000	51000	54000	54075	60700	---	44000
	23000	24000	29350	33500	39700	41000	42000	46000	42500	50000	---	35000
	20000	21600	26425	30000	32775	34000	39000	37600	36575	39375	---	27000
	22012	24713	30101	34519	41818	41912	45032	47038	45123	49968	---	36733
	4097	5393	5349	8394	11267	11751	13266	12103	14588	13211	---	13155
	25	107	128	68	62	59	71	63	60	22	0	665
NEW YORK	23475	27000	33000	36400	43300	54000	52750	51000	58650	50000	---	42400
	20750	22550	28000	32800	38000	39800	41750	42000	45000	40000	---	34000
	17750	19000	23000	27000	35000	29000	35000	35000	34450	34500	---	25000
	20555	23700	28794	32913	38757	42335	43739	45257	46924	41331	---	35288
	3838	7742	9156	8548	9510	15578	13859	15558	15216	10184	---	13923
	22	72	83	71	53	31	38	51	41	26	0	488
PENNSYLVANIA	25000	26925	30000	37000	43725	46500	46850	53700	52000	55000	---	41875
	22000	23500	27000	32600	38250	38850	40000	45000	45000	43500	---	33000
	19500	20000	23000	28600	30600	34050	35300	36500	40000	35175	---	25500
	21800	23722	27234	33109	39041	40467	41292	45669	45755	45167	---	34865
	5119	8133	7106	7709	11277	10552	12231	13866	9553	12117	---	12768
	19	92	116	89	46	52	49	59	58	24	0	604
FLORIDA	19800	25025	31000	36200	40000	45750	51100	51500	42250	69500	---	37750
	17000	21250	26500	31800	32700	39650	42750	36500	35000	62000	---	30000
	16600	17975	21000	26300	27700	34200	33850	24250	31375	32000	---	23150
	18386	21756	26737	32203	34339	39850	42488	37589	38050	53000	---	31522
	5378	5753	7732	7548	10269	6027	8705	13514	10935	23281	---	11755
	7	18	35	29	18	6	8	9	10	5	0	145
No Response and Other States	24000	25500	31550	38000	41925	48000	50000	54800	52000	60000	---	42000
	19000	22000	27300	32000	35900	40000	43200	45000	44250	48900	---	32000
	16225	18700	23550	28000	30000	33750	36925	38000	36325	38250	---	25000
	20344	22423	27621	33271	36302	40612	44051	46693	44737	49347	---	34378
	6004	5456	6174	8204	9344	11113	12742	12929	12893	16503	---	12994
	122	443	693	453	332	278	266	259	224	116	0	3,186
TOTAL	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000
	21000	23000	28000	33000	36900	40000	43000	44000	43750	46000	---	32500
	17500	20000	24000	28000	31000	34000	37000	37000	36000	37500	---	25300
	21265	23552	28516	33748	37611	41046	44037	45903	45049	47344	---	34887
	6179	6106	6690	8273	10385	11217	12652	13397	13265	15107	---	12902
	271	1,097	1,619	1,031	715	637	603	646	568	268	0	7,455

Table 1.3.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
STATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
CALIFORNIA	---	29775	36000	39975	45950	45000	56550	52350	52500	53000	---	45050	- 75th %-ile
	---	27250	30000	36000	40000	39000	44500	47300	50000	43000	---	37900	- 50th %-ile
	---	23950	26350	30000	33500	31500	37050	37150	41350	39450	---	30000	- 25th %-ile
	---	26450	31043	35836	40780	40127	47130	45988	48504	47838	---	38956	- Mean
	---	3684	6419	6655	10026	10203	14662	11236	7206	13083	---	11087	- Std Dev
	0	10	81	72	61	41	30	33	25	13	0	366	- Count
TEXAS	---	32000	36100	41625	47850	55000	55600	53250	56500	44500	---	48000	
	---	26850	30950	33750	40100	49000	48000	43900	50000	23000	---	38000	
	---	25275	25800	28600	30625	32000	39500	35750	46000	19000	---	30000	
	---	28533	31082	35104	40905	43934	49157	44408	53561	30000	---	39727	
	---	5073	6530	8166	13422	15522	14639	10803	17568	16016	---	13798	
	0	6	50	54	40	29	21	24	23	5	0	252	
ILLINOIS	---	29850	32500	44000	48000	50525	53175	56800	55200	61750	---	48000	
	---	27000	28000	36000	40000	44500	46500	46000	44750	49500	---	40000	
	---	20650	23400	30000	33300	36750	40000	40000	36275	43950	---	30050	
	---	25600	28444	37498	41386	45069	47162	50461	48078	55280	---	41240	
	---	6144	6082	9145	11313	12733	11928	16026	17297	16735	---	14340	
	0	5	45	47	35	26	26	23	32	10	0	249	
MICHIGAN	---	27550	34000	41000	43425	51500	55500	46750	55250	56000	---	45000	
	---	25700	30000	34700	38000	44650	45000	41250	49250	41000	---	36000	
	---	25200	27000	31000	33200	34875	37300	34050	39875	24000	---	30950	
	---	28246	30760	36010	38353	45913	47056	41144	49569	37471	---	39048	
	---	7641	6066	7412	7471	12905	13695	10486	12087	19702	---	11721	
	0	13	43	63	40	32	25	16	26	7	0	265	
OHIO	---	32550	33000	39450	42500	48525	50575	54500	58750	52000	---	47100	
	---	26000	29100	33800	38800	41300	44850	46000	48000	46000	---	39600	
	---	25525	27000	29600	33600	39000	38875	40000	41400	35000	---	31900	
	---	27983	30818	34737	38708	42708	44284	47984	48193	43482	---	40151	
	---	3595	6515	7222	8243	7932	11390	10884	13492	10943	---	11291	
	0	6	51	65	37	40	38	43	40	11	0	331	
NEW JERSEY	---	31000	35000	39000	44500	50000	58000	60250	57000	61500	43300	50000	
	---	27000	31000	34500	39000	42400	49850	50000	49900	50500	30000	40000	
	---	24000	27300	30000	34300	34500	40000	44000	38000	40750	25350	31525	
	---	27565	31754	36192	39472	42700	49267	53005	50600	50861	33460	42134	
	---	5269	6424	8438	8869	12303	12683	12319	17046	14491	10328	13776	
	0	23	71	79	61	62	46	62	55	28	5	492	
NEW YORK	---	28100	35500	40000	44400	51650	51000	55000	59475	56050	---	46000	
	60500	24000	31300	35900	38800	42300	41000	48500	46000	41000	35000	38150	
	---	21500	28000	31425	34000	37000	37150	41625	37500	36450	---	32825	
	60500	24733	31147	35337	39807	44251	42739	49558	50117	48275	35000	40558	
	---	3508	6355	6634	10102	10952	10585	10284	19180	19229	---	13305	
	1	9	66	62	54	37	28	40	42	20	1	360	
PENNSYLVANIA	---	29000	36000	38375	46500	52000	58000	52475	55875	50750	---	45000	
	---	25200	32000	33000	38000	44600	51000	48000	49500	40000	---	36500	
	---	20600	29000	28100	33500	36750	40000	39875	35500	36125	---	30300	
	---	24855	31879	34310	40855	45103	49600	47643	47141	44583	---	39153	
	---	4126	6005	8299	12351	11574	12674	13426	11875	16131	---	12338	
	0	11	63	84	53	33	23	30	22	12	0	331	
FLORIDA	---	26400	34500	39300	42300	52500	50000	70000	52300	63750	---	49850	
	---	24500	29150	34000	37000	43500	43000	52800	49800	55000	27600	36000	
	---	15300	23475	28000	28000	23500	33000	38800	45000	40100	---	28375	
	---	22067	28717	34859	37053	39100	40571	54080	49686	53033	27600	38496	
	---	5937	7108	9685	11002	17622	12608	16425	7431	15665	---	13665	
	0	3	12	17	15	5	7	5	7	6	1	78	
No Response and	---	29000	33000	38700	45000	50000	50000	55000	55900	63250	48000	46225	
Other States	---	26100	29600	34000	38000	41500	43000	47200	48000	51000	38000	37000	
	---	23500	26000	29000	32275	36000	35000	38850	39000	40000	30000	30000	
	---	25805	29907	34114	39084	42579	43926	47407	49138	52135	38667	39180	
	---	3903	6638	7652	9933	10920	12850	14473	14948	17648	9018	12987	
	0	65	331	378	308	224	179	184	177	77	3	1,926	
TOTAL	---	29000	34150	39350	45000	50000	53000	54950	55700	59000	40500	47000	
	60500	26100	30000	34500	38950	42000	[illegible]	47000	48000	49000	32500	38000	
	---	24000	26450	30000	33000	36000	37800	40000	40000	38950	27600	30075	
	60500	26307	30511	34945	39567	43053	45584	48167	49376	49325	34590	39770	
	---	4721	6488	7779	10169	11459	12873	13222	15105	16986	8785	12894	
	1	151	813	921	704	529	423	460	449	189	10	4,650	

Table 1.3.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
STATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
CALIFORNIA	---	---	41000	49000	56000	63075	68875	67500	69000	77250	---	60000 - 75th %-tile
	---	44400	38000	42500	49250	54850	57900	60000	58400	60000	55000	49900 - 50th %-tile
	---	---	36000	39000	43725	48000	50000	48750	50000	48950	---	42000 - 25th %-tile
	---	44400	38881	43635	50169	55623	58696	58530	60753	61700	55000	51548 - Mean
	---	---	4639	8040	10474	13103	13877	18117	13789	18201	---	14179 - Std Dev
	0	1	88	195	188	128	80	98	79	41	1	899 - Count
TEXAS	---	---	41950	49575	54000	60000	64000	70000	75000	78000	---	59000
	---	36000	38500	42850	46000	53500	54000	59000	62000	68800	43500	48000
	---	---	36000	39275	40200	45000	44500	46500	54000	52600	---	40100
	---	36000	38745	43707	47127	53459	54630	59595	62897	66404	43500	50754
	---	---	4807	8946	9719	14100	16486	14380	20154	15546	---	14969
	0	1	53	82	67	79	43	41	31	23	1	421
ILLINOIS	---	---	39150	45300	55000	62000	62675	61000	67500	67200	---	58200
	---	59000	37150	41000	47000	54000	53500	54700	55900	58200	46000	48500
	---	---	36000	37000	40000	48100	45125	47800	40500	45000	---	40000
	---	59000	37378	41308	47842	55878	53595	56242	54234	56456	46000	50152
	---	---	2815	6458	11175	12673	14281	12721	17559	20617	19799	14073
	0	1	54	76	101	116	60	55	32	41	2	538
MICHIGAN	---	---	40000	46000	56475	60000	63000	64000	70000	78000	---	56700
	---	32000	37000	40700	48000	52000	56200	58000	56900	66500	---	47600
	---	---	35900	38500	42000	45000	47075	50000	52000	52500	---	39900
	---	32000	38171	42477	49447	52852	55327	58157	61463	65920	---	49557
	---	---	3357	7439	10273	13374	123.9	12471	14061	15340	---	13195
	0	1	87	111	94	75	60	46	41	20	0	535
OHIO	---	---	40000	48250	51600	57375	60000	62000	64500	60750	---	54275
	---	---	38250	41800	46500	50000	51700	52000	52000	52300	49000	47200
	---	---	35425	39000	40000	43000	45850	47900	44500	43500	---	40000
	---	---	38611	43467	46601	50454	53345	53587	54361	53432	49000	48397
	---	---	5310	7685	9665	10779	12308	12588	12992	13344	5657	11360
	0	0	80	121	139	136	86	85	57	28	2	734
NEW JERSEY	---	---	41000	49500	56000	65000	64375	72000	72000	80000	54050	62000
	---	51900	38000	43700	48600	54500	57000	63000	60000	69600	44000	50000
	---	---	36000	39000	43000	48000	51625	51525	53000	50700	40000	42000
	---	51900	38977	44614	50013	56128	57958	62158	63237	66232	46420	52865
	---	20789	5037	7776	11591	13529	13407	16589	14184	20033	8600	15161
	0	2	135	213	213	178	112	130	75	85	5	1,148
NEW YORK	---	---	42000	47000	54100	60000	65000	70000	70500	80000	---	60000
	---	---	39400	42100	49000	52000	55600	56000	58000	67000	52500	50000
	---	---	37000	38000	43000	45000	48100	50000	50000	51300	---	42000
	---	---	39505	42429	49311	52768	56556	58073	60264	64541	52500	51727
	---	---	5513	6792	9382	11725	12376	16319	15206	16946	3536	13813
	0	0	83	119	143	121	109	102	75	41	2	795
PENNSYLVANIA	---	---	40000	45000	54000	60000	66000	66000	65500	72750	---	59250
	---	---	37500	41000	48750	53000	57900	58000	57000	59000	45000	49000
	---	---	36000	37100	42000	46250	51325	47800	48750	43625	---	40000
	---	---	38246	42126	47917	54549	59637	57295	58170	58902	45000	50313
	---	---	4267	6366	9946	11214	12767	13810	14589	19563	---	13415
	0	0	113	137	160	133	84	98	57	46	1	829
FLORIDA	---	---	36500	41950	43000	57100	56000	63250	65775	61750	---	53000
	---	---	33300	38100	39300	45000	48000	50000	58900	52900	---	41000
	---	---	32250	35000	34825	39050	39600	40750	35175	39750	---	36000
	---	---	33980	39571	40780	48024	46007	51678	53933	53525	---	44756
	---	---	3244	8995	10630	12738	11796	12248	16350	17306	---	12691
	0	0	10	21	30	21	14	18	6	8	0	128
No Response and	---	37500	40000	45000	53000	60000	62000	67000	66000	72250	53575	57700
Other States	---	35800	37400	41000	46000	51000	53000	57000	56500	60000	45000	47500
	---	32000	35000	37500	40000	43200	44500	47000	50000	48350	35750	40000
	---	37971	37203	41504	47231	51679	53886	56898	57615	61525	45757	49534
	---	9835	4770	7611	10465	12176	13435	15114	13692	15844	12207	13508
	0	7	436	749	877	840	530	471	387	237	14	4,548
TOTAL	---	51700	40000	46500	53675	60000	63000	67000	68000	76000	54525	58000
	---	36000	38000	42000	47500	52000	54850	57000	57500	60750	45000	48000
	---	33500	35600	38000	41000	45000	46575	48000	50000	49000	37600	40000
	---	41615	38039	42460	47994	52928	55210	57562	58693	61721	46829	50237
	---	12080	4736	7644	10458	12485	13486	15235	14516	17562	10261	13763
	0	13	1,139	1,824	2,012	1,827	1,178	1,144	840	570	28	10,575

Table 1.4.1A

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1985 Survey of ACS Members

LOCAL SECTION	YEARS SINCE BS											TOTAL
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	
Orange County	63750	29250	35300	43625	41400	67250	49500	55100	59000	---	---	42375 - 75th %-tile
	29500	25100	30500	38800	40000	56500	42750	39000	47400	70500	---	35000 - 50th %-tile
	24725	24000	25000	31475	32650	36000	41325	32400	36000	---	---	28275 - 25th %-tile
	39325	26230	30426	39325	37620	53250	43200	43100	48200	70500	---	37848 - Mean
	23966	2874	6848	9868	4632	16879	9138	12517	12820	27577	---	13618 - Std Dev
	4	10	27	8	5	4	8	11	7	2	0	86 - Count
Santa Clara	30000	29100	36000	41250	60000	43000	50400	56000	60000	64025	---	42000
	26300	25000	32500	35000	46750	41300	44000	50000	40000	47500	---	35000
	22500	23000	26475	29825	39000	37275	37000	43500	36000	42000	---	26800
	26267	26741	31559	35539	46430	39900	44533	49800	43429	51175	---	35839
	3750	5121	7185	7544	11988	6368	9261	7887	20280	12250	---	11280
	3	27	34	18	10	14	9	5	7	4	0	131
Southern California	20000	28000	33250	42000	36000	50000	50750	49000	52750	45500	---	42000
	20000	24000	30000	34500	32000	45000	45000	41000	42500	40000	---	33000
	19800	22000	26300	29200	26800	32000	39450	35150	34500	33000	---	27000
	19933	25156	30076	36844	33340	41980	45617	40280	44950	39400	---	35506
	115	4693	6363	10579	7850	10739	10963	10627	15884	7162	---	11625
	3	27	41	27	15	15	18	20	16	5	0	187
California	30300	27500	32250	39500	48250	45250	60550	46500	53000	58750	---	41150
	26500	24000	28250	35000	38500	41500	44000	37000	41000	40250	---	33000
	22200	21800	24750	30000	30650	34800	36000	30425	38000	37950	---	26750
	26486	24286	28710	36014	39275	39300	48923	38283	47764	46550	---	35804
	4918	4147	6353	7615	13733	7982	17400	13072	16300	12138	---	12559
	7	21	30	29	16	22	13	6	11	6	0	161
Akron	25975	26175	32450	48000	44550	55000	58000	54650	54250	68750	---	50200
	23450	24000	29750	34500	39100	48000	53000	48000	50000	63500	---	40000
	21600	22325	26550	32500	26750	40000	42000	42000	38650	53600	---	29375
	23675	24125	29744	38878	36800	47286	50543	48329	47346	61950	---	40527
	2382	2577	6865	9831	9579	8712	8407	8622	8614	8133	---	12969
	4	8	16	9	4	7	7	14	13	4	0	86
Chicago	23200	26000	33400	37700	44000	50000	52025	57750	55250	55000	---	40000
	21000	23000	28250	33000	34000	39800	44000	40000	45150	40100	---	31000
	18300	20000	25100	27300	30750	34500	34950	31500	35000	35000	---	25000
	20829	22635	29636	33098	37308	42479	42754	43830	46409	44737	---	34154
	3280	3829	7380	7106	11350	11119	14969	18079	14372	15034	---	13266
	17	69	94	53	38	28	28	30	34	19	0	410
Cincinnati	---	26100	38500	35000	47050	45000	49000	55225	53000	---	---	45000
	18700	21750	29000	30000	40000	39000	48000	44200	39350	39450	---	32500
	---	21000	24625	25000	33500	30625	45300	35475	30075	---	---	25000
	18700	22256	30994	32018	40220	38050	50214	45700	41406	39450	---	35397
	4667	4799	10056	8361	6976	9517	13993	12919	12815	12092	---	12913
	2	18	16	11	5	16	7	10	16	2	0	103
Cleveland	24000	28250	33900	43450	44500	42000	49500	66250	47000	58250	---	40000
	20500	24850	28500	29100	38500	35000	39000	48500	39500	52500	---	32500
	18500	22500	24000	25500	30650	29825	37000	40875	33750	20500	---	25000
	21000	25732	28856	33546	37213	35220	42375	53330	39289	43750	---	34320
	2784	5207	6011	10440	8545	7022	10738	13577	8491	22780	---	11686
	3	22	32	13	8	10	8	10	18	4	0	128
Columbus	---	26125	31375	38450	49650	48925	46525	55500	---	---	---	44400
	18200	24800	25000	32600	41900	43200	40750	48250	26000	55000	---	33000
	---	22275	22050	25500	32250	39500	15125	34800	---	---	---	25000
	18200	29750	26704	35500	41233	42988	33550	44720	26000	55000	---	35092
	5374	18159	5648	12647	11068	6648	17135	12689	---	7071	---	13119
	2	10	28	18	12	16	8	10	1	2	0	107
Connecticut Valley	24500	23650	29750	45000	37225	58000	55500	59000	55375	77000	---	43175
	23000	22450	25000	37500	34500	35500	45000	44000	48750	60000	---	32350
	21000	19050	22850	31000	32250	21850	40250	41500	38975	30000	---	23300
	23100	23944	26006	37529	35050	38450	47500	49246	47700	55667	---	35340
	2781	6573	4756	6646	4338	19606	11635	14406	8648	23798	---	14502
	7	16	17	7	6	4	9	13	4	3	0	86
Dallas-Fort Worth	24550	25550	31875	38550	54025	53000	44250	44375	60000	45000	---	39750
	19550	22000	29200	32000	47500	42000	41000	36000	34000	28000	---	29650
	14250	20375	24300	28500	35750	27125	32200	20000	22500	14400	---	23475
	19283	23932	28885	33344	46430	41417	39150	32417	38000	29133	---	31514
	5874	7401	4641	5576	11171	13901	6690	15768	18439	15331	---	12075
	6	22	20	9	10	6	4	6	6	3	0	92
Detroit	21000	30000	35000	41250	47500	50000	46850	50000	60250	64200	---	43000
	21000	24000	30000	33500	42000	42500	40000	45950	51000	60500	---	35000
	16000	20000	25750	23500	37500	37000	40000	37250	46250	38000	---	26000
	19600	24747	30584	34510	42080	43046	42740	43900	52438	54233	---	35860
	3802	6411	6660	12087	6408	13757	4363	7091	7007	14180	---	12076
	7	15	37	10	15	13	5	10	8	3	0	123
Maryland	27450	24500	32000	37350	39500	46000	44950	50300	55000	56000	---	40000
	18700	22000	27700	30000	36000	40000	40000	46850	42500	41100	---	32700
	14625	20000	21500	22500	34500	29000	36650	39000	39200	10000	---	24250
	20038	22345	27046	30169	36277	38545	41200	45817	46745	35700	---	33453
	6730	3028	5549	7322	5236	11648	12142	7339	12779	23471	---	12008
	8	11	28	13	13	11	17	6	11	3	0	121
Local Section II	24000	26500	32000	38000	42000	48000	50000	54000	52000	55000	---	42000
	20600	23000	28000	32700	36500	40000	43000	45000	44250	45900	---	32400
	17275	19200	24000	28000	30000	34000	36000	37050	36000	37375	---	25100
	20813	23286	28186	33460	37164	41030	44032	46241	45097	47191	---	34765
	5417	6114	6512	8061	10281	11482	12586	13407	13200	14494	---	12925
	198	821	1,198	806	557	471	462	496	416	206	0	5,631
TOTAL	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000
	21000	23000	28000	33000	36800	40000	43000	44000	43750	46000	---	32500
	17500	20000	24000	28000	31000	34000	37300	37000	36000	37500	---	25300
	21265	23552	28488	33748	37559	41046	44037	45860	45049	47103	---	34862
	6179	6106	6591	8273	10297	11217	12652	13432	13265	14898	---	12869
	271	1,097	1,618	1,031	714	637	603	647	568	266	0	7,452

Table 1.4.18

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
By ACS LOCAL SECTION II and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
LOCAL SECTION II	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	**40	No Resp	TOTAL	
Midland	27150	30100	36300	44000	51500	52000	65500	71000	52500	53900	---	44875	- 75th %-tile
	25300	27000	34350	34800	45600	40750	49000	50500	44000	50300	---	35000	- 50th %-tile
	23250	24375	30250	31550	38850	38650	42550	41000	30000	30500	---	30000	- 25th %-tile
	25220	27267	34121	38733	45767	43588	53667	53600	42786	44900	---	37985	- Mean
	2370	4598	9842	9582	8068	9224	15667	15693	11105	14111	---	12770	- Std Dev
	5	18	24	12	6	8	6	6	7	4	0	96	- Count
New York	26000	24750	34125	35875	44750	52000	52000	47000	60000	52000	---	43000	
	21450	22000	28900	33500	40000	42000	43000	38900	50000	45000	---	34000	
	17250	18700	22000	28800	35250	33500	35700	30000	40000	36250	---	24350	
	21340	22371	29459	34059	43713	44084	42670	42278	51004	44647	---	35580	
	4420	5538	10701	9245	15535	16796	15854	15320	14792	8851	---	15226	
	20	45	46	32	24	19	23	27	23	17	0	276	
Northeastern	20400	27350	30000	40075	40250	50250	52000	55000	45500	58750	---	42000	
	19000	23100	27000	35000	38250	40400	46000	43750	43500	44250	---	32000	
	17925	20000	23750	30000	31400	32750	36700	38075	34500	34475	---	24000	
	19227	24366	27323	36788	36869	39788	46158	48806	41576	46408	---	34727	
	3045	7849	5045	9435	9251	12899	12919	16335	10599	16451	---	13956	
	18	58	62	40	26	16	19	34	21	24	0	318	
North Jersey	24000	28000	33950	37800	48275	45000	51750	55000	54775	57500	---	44700	
	22950	24000	29000	33000	40000	40000	43300	50000	45000	50000	---	35000	
	20250	21550	26475	30000	35025	34000	39475	42250	36200	38750	---	27200	
	22075	24516	30217	34360	42546	40940	46354	50663	45537	48633	---	37203	
	3910	4456	5402	6452	12088	10409	13355	12255	15191	12293	---	13268	
	16	77	110	50	48	47	56	38	52	21	0	515	
Philadelphia	25500	27000	30000	37350	46500	50000	48500	53775	52000	60500	---	42125	
	22000	24250	27400	33000	40000	40000	40000	40000	45000	45500	---	33800	
	18900	21425	23850	29450	32225	35000	35500	36125	40000	40500	---	25975	
	22364	24891	28420	33623	39891	42877	42792	44615	45629	47856	---	35708	
	4445	5387	8269	7479	10107	9919	13733	14559	9568	12883	---	12716	
	14	64	50	45	32	31	25	34	31	16	0	342	
Pittsburgh	26725	28000	31500	39075	41550	51500	55850	57500	52500	---	---	43150	
	23450	23750	27000	34500	36650	41500	43000	46000	43900	48000	---	33950	
	15250	19625	24450	31050	30200	32475	38000	34700	36100	---	---	26775	
	21700	23273	27997	34488	35870	42825	46115	47900	45388	48000	---	36037	
	5926	4834	6102	8538	9691	13492	10722	16684	10890	---	---	13271	
	6	22	29	32	10	20	13	18	17	1	0	168	
Puget Sound	16300	20600	27450	28750	45000	37600	52150	---	66000	---	---	37800	
	14000	19000	24500	25000	39000	34750	38000	32500	45850	44000	---	27500	
	12000	16700	21500	22450	32650	27000	27750	---	28925	---	---	21000	
	14100	18356	23800	26013	38860	32663	40388	32500	46925	44000	---	30505	
	2152	2698	5154	3995	7994	6755	15441	9192	20042	8485	---	12983	
	3	9	6	8	5	8	8	2	4	2	0	55	
Rochester	---	29000	33775	39500	49400	53250	59225	70000	---	---	---	46875	
	21000	21800	31600	34500	45000	47500	51750	47500	27700	20000	---	34750	
	---	17900	27000	26000	34500	41500	35925	41500	---	---	---	26250	
	21000	23120	30350	33662	42267	43870	49400	56689	27700	20000	---	38243	
	4243	5273	5927	7153	8288	15054	12470	20318	2404	---	---	15414	
	2	10	8	13	9	10	8	9	2	1	0	72	
Southeastern Texas	---	30325	36000	40300	50000	51500	60000	60000	66000	60000	---	46000	
	24500	27700	31500	34000	40600	42800	46400	51000	50000	50000	---	36000	
	---	25000	27950	28000	26700	38175	38875	40325	43000	30000	---	30000	
	24500	28014	32185	35817	40847	44256	48771	53880	50645	46667	---	39511	
	---	4235	5842	9969	12653	10602	11710	16912	14461	15275	---	13599	
	1	22	41	24	15	16	14	20	11	3	0	167	
St. Louis	24600	26000	32000	39800	42000	61625	49250	66000	57500	72375	---	41450	
	23400	24650	29000	32400	37000	48500	44250	50000	50000	56500	---	31000	
	20500	20525	24750	29000	32000	35925	36250	43450	29500	32000	---	25000	
	22720	24183	28118	34563	37960	48450	43210	55744	47800	53625	---	34435	
	2535	5176	5907	7472	11127	15981	6070	14940	21840	21476	---	14003	
	5	42	38	27	15	14	10	9	9	4	0	173	
Washington, D.C.	17800	23350	33700	40000	42925	51300	53075	62750	56475	50000	---	48000	
	15950	19000	28400	34000	35500	45000	43950	54500	49000	54500	---	37000	
	14100	16550	25200	28650	28625	42630	36700	45000	39500	47850	---	26000	
	16238	20029	29011	34819	37200	45268	44807	53550	48314	53570	---	37620	
	4542	4612	6719	7215	11511	11063	11049	10308	11334	7341	---	14591	
	8	21	35	21	12	19	14	22	14	10	0	176	
Western Connecticut	---	25875	30800	45000	57000	56000	56500	74250	47500	49000	---	85000	
	20200	24150	26500	32000	45500	40000	47600	44450	44500	49000	---	32350	
	---	19925	22700	28000	26500	32700	30500	39875	31500	45000	---	25000	
	20200	23758	27423	35100	43000	44386	44320	54425	40500	47667	---	36559	
	1273	5423	6930	8099	16310	15059	13513	17886	11758	2309	---	14926	
	2	12	13	7	4	7	5	8	5	3	0	66	
None of the above	24000	26000	31000	37500	40000	46000	49925	52000	51100	57650	---	40000	
	20000	22000	27200	32000	35000	39000	42000	43000	42950	45000	---	32000	
	16575	18000	23500	27300	30000	32000	35650	36000	35000	35550	---	25000	
	20929	22583	27421	32731	35266	39148	43149	43753	43968	47226	---	33671	
	6389	6532	6049	7664	8733	10084	12316	11066	12908	16408	---	12036	
	86	380	665	451	320	233	244	247	202	90	0	2,918	
No Response	24400	26450	33000	39000	43875	46000	50000	52050	54000	56000	---	42000	
	21300	23500	28700	33000	37000	41000	43000	42000	42750	46000	---	32500	
	18000	21000	24700	28000	31000	34900	37725	36000	36000	37950	---	25300	
	22056	24030	29102	34408	38283	41454	43661	44332	45278	46434	---	34874	
	7561	5950	6606	9131	10406	10990	12588	12974	13339	15825	---	12647	
	85	317	491	269	188	189	158	173	170	70	0	2,110	
TOTAL	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000	
	21000	23000	28000	33000	36800	40000	43000	44000	43750	46000	---	32500	
	17500	20000	24000	28000	31000	34000	37000	37000	36000	37500	---	25300	
	21265	23552	28488	33748	37559	41046	44037	45860	45049	47103	---	34862	
	6179	6106	6591	8273	10297	11217	12652	13432	13265	14698	---	12869	
	271	1,097	1,618	1,031	714	637	603	647	568	266	0	7,452	

Table 1.4.2A

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
LOCAL SECTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Orange County	---	---	37500	39500	49000	53025	---	55000	51500	---	---	50000 - 75th %-tile
	---	---	31300	35400	45300	44900	34500	50000	50000	52250	---	41000 - 50th %-tile
	---	---	26300	28600	32500	36525	---	43000	50000	---	---	32625 - 25th %-tile
	---	---	32155	34733	42936	44960	34500	49200	51000	53250	---	41352 - Mean
	---	---	7546	6342	8124	9025	2121	7823	2449	10738	---	10127 - Std Dev
	0	0	11	9	11	10	2	5	6	2	0	56 - Count
Santa Clara	---	---	36000	41500	46000	45000	60500	68000	50000	---	---	45750
	---	26650	30250	37000	41000	39500	50000	52700	40000	72250	---	38200
	---	---	28000	32875	36000	28975	44000	47300	40000	---	---	30625
	---	26650	31625	38250	44393	37700	52144	52614	43333	72250	---	40280
	---	2899	4854	8221	12290	7560	11853	14972	5774	10253	---	12436
	0	2	28	16	15	10	9	7	3	2	0	92
Southern California	---	29850	35500	39900	45100	54050	51350	48000	55000	50500	---	45000
	---	28000	30750	35800	39750	50000	41800	46700	50500	43000	---	36700
	---	22500	25500	28000	32200	33850	31450	33300	39750	40450	---	29700
	---	26540	30623	34700	38728	45160	41630	41860	48780	44980	---	37531
	---	4506	6228	6372	8652	10656	13853	7918	8768	5273	---	10028
	0	5	22	23	18	5	10	5	10	5	0	103
California	---	30000	36000	39850	42625	47000	45000	53500	51500	70000	---	42650
	---	26500	31500	32650	39000	39000	38700	47950	46350	36000	---	36550
	---	22000	26000	30000	29000	36000	35700	36525	37675	32000	---	30000
	---	26167	31700	33925	37057	38286	40020	44333	45175	46000	---	37076
	---	4010	7273	6571	9136	8655	5061	12156	7307	20881	---	10021
	0	3	16	16	14	7	5	12	4	3	0	80
Akron	---	---	30700	36900	52700	52400	54000	57500	60500	---	---	51750
	---	26000	29100	34050	40000	47700	48100	47800	49600	45400	---	42750
	---	---	28000	32000	35500	42500	44800	41050	46000	---	---	36500
	---	26000	28855	34283	43822	48300	48967	49640	53918	45400	---	43781
	---	---	3510	3501	9360	6545	4661	9494	11192	14708	---	11769
	0	1	11	6	9	11	3	10	11	2	0	64
Chicago	---	29925	33375	44000	47600	55025	51000	58400	54800	61750	---	47000
	---	28350	28850	37500	40000	45000	46150	46000	43000	49500	---	40000
	---	23250	23625	30500	33475	35550	40000	38950	35600	43950	---	30150
	---	27175	29116	38093	41331	46783	46964	49141	48108	55280	---	41007
	---	3704	6622	8877	11595	14916	12591	14612	18028	16735	---	14243
	0	4	44	43	32	18	22	17	25	10	0	215
Cincinnati	---	---	33000	38500	40250	41950	55250	56750	54000	---	---	45000
	---	---	28800	32500	33750	39000	44450	45650	50300	43500	---	38700
	---	---	26000	26700	31400	32400	38650	40125	41200	---	---	30275
	---	---	31167	32347	34940	37540	46267	48608	48586	43500	---	39001
	---	---	8352	7158	5725	5045	10435	12699	7478	3536	---	11130
	0	0	15	17	10	5	12	12	7	2	0	80
Cleveland	---	32700	33750	39750	52000	48000	64700	64600	61250	52625	---	49750
	---	32500	30650	33500	38700	42400	47000	57000	52250	48000	---	38750
	---	25000	28000	30000	29400	32500	42900	43650	32500	31750	---	30750
	---	30037	31871	35127	40300	40944	54678	54700	47820	44125	---	40735
	---	4389	5823	7309	12957	10653	16123	12624	20462	11821	---	13916
	0	3	14	22	5	9	9	5	10	4	0	81
Columbus	---	---	36250	38500	44225	44600	46500	52000	46500	---	---	45000
	---	26000	28500	30000	40000	40100	44700	44000	44000	45000	---	40000
	---	---	25100	27000	38250	38700	33000	37000	40850	---	---	30000
	---	26000	30578	32467	41983	40891	40478	42945	43740	45000	---	38738
	---	---	7625	6604	7470	6879	9363	13062	3671	7071	---	9403
	0	1	9	9	6	11	9	11	5	2	0	63
Connecticut Valley	---	30750	35700	37000	59500	50375	52000	52500	57100	83250	---	50600
	---	26100	32000	31300	45000	37000	46600	50000	46400	63500	---	39750
	---	25300	28000	28100	36200	30750	44000	46000	42500	51625	---	31250
	---	27720	32355	32492	47073	39438	49443	51471	48957	66125	---	42101
	---	3061	4716	6201	12182	9955	7954	9280	9804	17197	---	13197
	0	5	11	12	11	8	7	7	7	4	0	72
Dallas-Fort Worth	---	---	36300	41250	54250	61250	50000	---	60275	32000	---	48000
	---	---	32850	35150	42500	41300	48000	28500	49000	23000	---	36900
	---	---	25550	29975	28250	31900	39000	---	44975	18000	---	29975
	---	---	32288	36330	41642	44533	45667	28500	54067	24231	---	39598
	---	---	8113	8126	16026	15376	5859	6364	17042	7095	---	14118
	0	0	8	10	12	6	3	2	6	3	0	50
Detroit	---	25500	38600	40000	41000	50000	55000	47500	67400	41000	---	47750
	---	25200	34000	33000	39500	40000	53000	46000	52000	25000	---	37750
	---	23000	26250	30000	34000	33000	37475	35150	46450	24000	---	31050
	---	24567	33715	35816	38415	43886	50513	42260	55856	30000	---	40090
	---	1365	8523	9661	4628	13732	12897	8570	13570	9539	---	12441
	0	3	13	19	13	7	8	5	9	3	0	80
Maryland	---	---	35500	36000	43375	55000	43000	59000	51225	50000	---	48000
	---	27500	30500	33900	37450	38150	34000	54000	47000	48600	---	38200
	---	---	23000	29625	28875	31575	33000	45250	44925	41000	---	33000
	---	27500	30000	32710	37488	41575	37200	52200	47825	46533	---	40153
	---	2121	5774	5496	8680	12958	5718	8904	6479	4843	---	10730
	0	2	10	10	8	4	5	10	12	3	0	64
Local Section II	---	29000	34000	39000	45000	50000	53000	55000	56000	60000	40500	47000
	60500	26100	30000	34300	38000	42400	45000	47000	48000	49050	32500	37500
	---	23775	26400	30000	33000	36000	36850	40000	38400	38000	27600	30000
	60500	26144	30359	34837	39193	43107	45228	48266	49111	49151	34590	39597
	---	4999	6477	7812	10053	11644	13052	13593	15615	16863	8785	12984
	1	122	601	709	540	418	318	352	331	142	10	3,544
TOTAL	---	29000	34150	39350	45000	50000	53000	54950	55425	58000	40500	47000
	60500	26100	30000	34500	38950	42000	45000	47000	48000	48700	32500	38000
	---	24000	26450	30000	33000	36000	37700	40000	40000	38900	27680	30000
	60500	26307	30511	34945	39567	43053	45503	48167	49186	48971	34590	39718
	---	4721	6488	7779	10169	11459	12779	13222	14974	16705	8785	12821
	1	151	813	921	704	529	422	460	446	187	10	4,644

Table 1.4.2B

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by ACS LOCAL SECTION II and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
LOCAL SECTION II	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Midland	---	42350	33250	46000	47000	62250	72500	66250	58000	---	---	49825 - 75th %-tile
	---	28200	30000	38000	38000	50500	56000	49000	49000	58000	---	40000 - 50th %-tile
	---	24600	26800	35000	28500	46125	40000	36875	39000	---	---	32000 - 25th %-tile
	---	32420	29600	39655	36366	53988	56700	51375	49678	58000	---	42489 - Mean
	---	11750	5373	5663	10126	10134	16346	14407	11068	2828	---	13516 - Std Dev
	0	5	13	11	7	8	5	4	9	2	0	64 - Count
New York	---	30625	35475	41000	42500	46800	50575	53200	61750	60000	---	46000
	60500	28250	30250	38500	35500	38500	40000	46000	45350	44000	35000	38000
	---	22500	25750	33000	32900	34625	32150	40750	36750	37800	---	32300
	60500	27125	30659	37808	37922	42621	41170	46871	50088	50760	35000	40674
	---	4404	7082	8831	10474	12797	12299	9153	21243	16850	---	14035
	1	4	34	36	27	24	20	17	26	15	1	205
Northeastern	---	28000	33250	40000	47000	53575	50000	53000	52000	72375	---	47550
	---	25500	29500	37000	37000	43500	40000	43000	48000	59500	---	38000
	---	22500	25500	32000	32000	37675	32000	34050	40300	43250	---	30000
	---	25333	30709	36888	38769	44977	41162	45565	47489	59916	---	39209
	---	3192	7240	9079	9718	12524	11903	17750	10806	16984	---	12684
	0	9	45	51	35	26	21	20	19	8	0	234
North Jersey	---	30000	34050	38450	44250	50000	56675	60000	59250	59250	43300	49925
	---	25000	30700	34500	38050	42000	48300	50000	50000	49350	30000	38500
	---	23800	27800	31050	34000	35000	40000	42750	40000	37750	25350	31425
	---	26779	31366	35275	39325	42271	48276	52611	50793	48513	33460	41319
	---	5226	5656	6239	8268	11685	11975	13030	16530	16323	10328	13468
	0	19	61	61	46	51	34	45	44	24	5	390
Philadelphia	---	30000	36075	39225	48500	50000	62750	57000	62000	57000	---	48000
	---	29000	31250	32000	38000	45000	51500	50000	53100	37750	39000	36700
	---	21600	27725	29125	32875	37000	40750	44600	41500	31500	---	30000
	---	27643	31934	35108	41345	43763	50355	50453	51238	42917	39000	39962
	---	4961	6873	9702	13354	9435	14957	11411	14902	20031	12728	13211
	0	7	50	48	42	19	22	19	13	6	2	228
Pittsburgh	---	28500	34100	38500	50000	54000	58500	67500	49625	---	---	46000
	---	28000	32600	35500	44000	48000	49000	49100	40000	40000	---	38000
	---	25200	30000	32500	40000	41000	36500	34250	33000	---	---	32800
	---	27233	31747	35794	45089	49073	47800	49311	40750	40000	---	40078
	---	1779	6108	3623	5956	13887	11300	20142	9142	1414	---	12034
	0	3	19	17	9	11	5	9	6	2	0	81
Puget Sound	---	---	---	---	43750	---	---	---	---	---	---	40000
	---	26000	29200	37000	36000	37650	---	38000	27000	54000	---	34700
	---	---	---	---	31000	---	---	---	---	---	---	30000
	---	26000	29200	37000	37100	37650	---	38000	27000	54000	---	35388
	---	---	5091	---	6968	6010	---	2828	4243	---	---	8063
	0	1	2	1	5	2	0	2	2	1	0	16
Rochester	---	30000	38125	42200	54000	58000	---	64000	57000	---	---	53000
	---	29200	35650	36400	44200	53000	52500	48500	49500	81000	---	41600
	---	23900	31050	27100	38900	50000	---	41400	19500	---	---	35250
	---	27700	35020	36827	47667	54843	52500	51688	42000	81000	---	44015
	---	3315	4647	9899	12023	6023	2121	12809	19843	---	---	13474
	0	3	10	11	9	7	2	8	3	1	0	54
Southeastern Texas	---	35100	38400	42300	50700	59750	54000	53000	75000	---	---	46350
	---	26100	32000	32500	40000	49300	41500	40000	52700	20000	---	38000
	---	24225	27000	27300	30000	23500	37600	34550	33250	---	---	28225
	---	28475	33240	34678	42108	42629	45020	43076	53642	20000	---	39401
	---	6455	5985	9367	15810	18436	8821	12095	22403	---	---	14424
	0	4	25	27	13	14	5	17	12	1	0	118
St. Louis	---	29650	30600	34175	47050	53750	66500	73150	58525	84000	---	50000
	---	26950	28600	32000	37000	40000	50000	50000	49350	66500	---	34150
	---	21175	25300	30000	30800	33000	42500	26325	46000	54500	---	30000
	---	25925	28177	32415	39078	42967	53600	49550	50500	69500	---	40780
	---	4534	3393	4281	10521	12883	13612	22531	8481	17073	---	15611
	0	4	13	20	9	9	5	6	10	6	0	82
Washington, D.C.	---	26000	31250	41000	50000	50500	52250	62000	58000	57000	---	49250
	---	22000	27100	36900	44000	45000	40500	48000	55400	40000	38000	40000
	---	17600	22625	33000	34400	35750	34725	40000	41500	33500	---	31500
	---	22429	28135	38005	42257	44457	43125	50133	52000	43529	38000	40651
	---	4426	7253	8999	9709	9499	14015	15339	11130	14003	---	13127
	0	7	20	19	23	21	20	15	9	7	1	142
Western Connecticut	---	25100	35150	44125	43050	48500	65875	---	65000	---	---	46425
	---	25000	29200	34500	39350	42400	43100	46150	50000	34000	---	37400
	---	24300	26250	31850	32325	37450	37425	---	41300	---	---	30450
	---	24800	30146	36825	38333	42610	48800	46150	54744	34000	---	40075
	---	436	6652	6884	5917	6234	16277	3041	19554	---	---	13662
	0	3	13	4	6	10	4	2	9	1	0	52
None of the Above	---	27850	33000	37575	43200	49000	52000	52800	54000	56700	---	45000
	---	26200	30000	33350	37600	41100	43700	45700	46100	47500	27600	36550
	---	22000	25900	28500	31800	35000	36000	39500	38350	38125	---	30000
	---	25262	29683	33861	38039	41830	44021	47099	47553	47342	27600	38507
	---	4344	6537	7581	9423	11195	12618	12769	13849	14467	---	12128
	0	45	273	366	287	187	158	167	154	60	1	1,698
No Response	---	29700	35000	40000	46000	49075	53500	55700	55700	54250	---	47275
	---	26300	30000	35000	40000	41050	46000	48000	48700	46000	---	39000
	---	25200	26400	30000	34000	36000	39000	40000	41150	39450	---	31000
	---	26886	30720	35224	41048	42829	46563	48405	50208	48068	---	40288
	---	3464	6415	7677	10380	10808	12326	12687	14536	17635	---	12750
	0	37	235	249	186	140	121	129	130	53	0	1,280
TOTAL	---	29000	34150	39350	45000	50000	53000	54950	55425	58000	40500	47000
	60500	26100	30000	34500	38950	42000	45000	47000	48000	48700	32500	38000
	---	24000	26450	30000	33000	36000	37700	40000	40000	38900	27600	30000
	60500	26307	30511	34945	39567	43053	45503	48167	49186	48971	34590	39718
	---	4721	6488	7779	10169	11459	12779	13222	14974	16705	8785	12821
	1	151	813	921	704	529	422	460	446	187	10	4,644

Table 1.4.3A

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
LOCAL SECTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Orange County	---	---	39850	49475	60000	65700	63750	64275	85000	74125	---	62250 - 75th %-tile
	---	---	39000	43100	50000	52000	53500	58000	72000	66500	55000	50000 - 50th %-tile
	---	---	37500	40325	44750	44000	47000	49075	50000	48275	---	42000 - 25th %-tile
	---	---	38944	45936	52800	54565	54692	56500	70682	60033	55000	52930 - Mean
	---	---	2764	8909	11270	14069	9322	12328	17278	17077	---	13806 - Std Dev
	0	0	9	28	22	17	12	10	11	6	1	116 - Count
Santa Clara	---	---	43600	47250	57800	64250	78000	69750	59000	59500	---	59000
	---	---	40000	42000	50300	55000	62500	62250	55200	57850	---	50000
	---	---	37000	37580	43600	51500	51000	53750	51000	51100	---	40675
	---	---	39952	42126	51146	57561	62048	57715	57882	56150	---	50790
	---	---	4592	6898	9699	10777	11701	18606	11483	4940	---	12776
	0	0	25	54	42	33	23	20	11	4	0	222
Southern California	---	---	41000	47000	55000	62500	58500	61000	58000	55500	---	55025
	---	---	38200	42000	50000	55000	51000	56000	52250	50000	---	48000
	---	---	34200	40000	43225	48000	45750	40000	45300	42500	---	40000
	---	---	37982	41954	48464	57097	58900	50626	51619	47962	---	47862
	---	---	5923	7708	12032	12951	13934	17006	8729	11931	---	12626
	0	0	22	37	42	31	10	19	16	13	0	190
California	---	---	42000	49425	54250	62100	73000	81875	69500	84000	---	62000
	---	44400	38000	44000	48400	52750	59000	63500	60000	79500	---	50000
	---	---	36000	39250	44300	44000	50900	50800	51800	60000	---	43675
	---	44400	39181	44432	49879	53600	62748	65759	62764	72731	---	53906
	---	---	4499	6446	9283	15393	14902	19351	13782	16521	---	15658
	0	1	27	56	57	38	27	34	33	13	0	286
Akron	---	---	39000	44400	52000	60000	60000	59100	66375	59250	---	54000
	---	---	35550	40000	48500	50000	53000	51000	52500	50000	---	49500
	---	---	34350	37800	43000	44000	50000	49125	43875	43000	---	42000
	---	---	37980	41084	49004	51967	54426	53613	54150	50750	---	49604
	---	---	6791	4468	8728	10542	7232	7262	13044	8461	---	9797
	0	0	10	19	24	27	19	24	9	4	0	135
Chicago	---	---	40000	45450	55750	62000	64000	61000	68000	75600	---	58200
	---	48250	37600	41000	46750	54000	54000	54850	60000	59750	60000	48000
	---	---	36000	37000	41000	47500	44100	48400	48000	45000	---	40000
	---	48250	37827	41535	48182	55579	54251	57014	56681	57644	60000	50233
	---	15203	2843	6291	11353	12774	14648	12295	16884	22129	---	14121
	0	2	51	77	100	105	55	42	26	36	1	495
Cincinnati	---	---	39900	49450	52850	58250	62250	63075	60000	62000	---	54800
	---	---	38400	43500	42500	48600	51700	57400	57500	54900	53000	46000
	---	---	36000	40000	38000	41650	44750	49625	47500	45100	---	39200
	---	---	38105	44049	44905	49992	54808	55614	55273	59071	53000	47588
	---	---	2855	6747	8550	9880	15957	11840	9888	17532	---	11435
	0	0	37	49	37	37	26	22	11	7	1	227
Cleveland	---	---	45500	48800	51725	61500	66500	63000	75000	73500	---	56500
	---	---	39500	44000	48100	56000	54500	52000	50000	51600	45000	48000
	---	---	34400	40000	41750	47750	46250	45000	45500	43500	---	41000
	---	---	39786	44710	47988	55600	57514	56618	58254	58067	45000	50080
	---	---	7944	7755	10818	12793	17045	14472	18520	18214	---	13822
	0	0	21	29	34	21	14	11	13	9	1	153
Columbus	---	---	43500	41900	54000	52725	53800	60000	57000	57125	---	53800
	---	---	40000	39000	49000	46450	46300	51500	49800	49500	---	46400
	---	---	35000	34500	42000	42225	40000	46775	43000	39500	---	41000
	---	---	39243	39205	48022	47426	48680	53172	51132	47917	---	47282
	---	---	5480	6371	6599	9346	9350	14210	10385	10002	---	10179
	0	0	7	21	23	34	15	10	19	6	0	143
Connecticut Valley	---	---	42750	50000	59800	64000	58600	71000	55000	69750	---	60000
	---	36000	39500	45550	52500	54600	49200	64200	52000	62000	51000	50500
	---	---	33300	41500	42000	42725	39000	52000	48500	42500	---	42000
	---	36000	37400	46569	52038	53517	49069	61709	52029	58656	51000	51764
	---	---	7288	7333	11074	16972	11451	10107	6271	17897	---	13198
	0	1	8	16	32	24	13	13	7	9	1	124
Dallas-Fort Worth	---	---	39600	56000	55500	59000	58300	71000	91250	72000	---	60000
	---	---	38400	47500	46000	48000	53500	65000	63600	68000	---	48000
	---	---	36000	42600	40950	43175	35000	49000	58000	60000	---	41500
	---	---	38157	47764	49100	50175	49986	61000	72420	66933	---	51513
	---	---	3945	11164	10039	8221	14021	11597	17677	6214	---	13248
	0	0	7	11	13	16	7	5	5	3	0	67
Detroit	---	---	43000	48500	54000	55000	66000	58000	62275	68250	---	54000
	---	---	40000	43000	48000	49000	54000	50068	55000	54000	---	47150
	---	---	35500	38000	42000	44000	44000	46000	48050	49350	---	40000
	---	---	39616	42636	48661	50713	53960	50027	54410	57733	---	47879
	---	---	3969	9307	9208	10894	16546	6992	12417	10667	---	11105
	0	0	19	39	33	31	19	15	10	6	0	168
Maryland	---	---	40000	45000	46000	56500	57500	60250	59875	---	---	50000
	---	30000	37400	40000	39000	43700	42800	50700	49050	47000	45000	42000
	---	---	33550	35000	38000	40000	34000	45050	31450	---	---	36850
	---	30000	37044	40357	39659	48358	44531	52062	47300	47000	45000	43614
	---	---	4261	7668	7347	12071	14146	10052	14432	---	---	11029
	0	1	16	23	27	32	13	13	6	1	1	133
Local Section II	---	53925	40000	46000	53025	60000	63000	67325	68000	76000	53575	58500
	---	35900	37650	41600	47150	52000	55000	57900	58000	62700	44500	48000
	---	32750	35400	38000	41000	45000	47000	48000	50000	50000	36000	40000
	---	41763	37889	42161	47775	52008	55243	57729	58884	62267	45555	50255
	---	13403	4749	7319	10424	12384	13211	15413	14442	17265	10921	13018
	0	8	880	1,361	1,814	1,379	925	894	659	443	22	8,085
TOTAL	---	51700	40000	46500	53600	60000	63000	67000	67500	75000	54525	58000
	---	36000	38000	42000	47450	52000	54700	57000	57200	60000	45000	48000
	---	33500	35600	38000	41000	45000	46500	48000	50000	48900	37600	40000
	---	41615	38039	42363	47962	52894	55128	57477	58586	61361	46829	50146
	---	12080	4736	7362	10413	12444	13436	15191	14491	17487	10261	13676
	0	13	1,139	1,820	2,010	1,825	1,174	1,140	835	560	28	10,544

Table I.4.3B

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by ACS LOCAL SECTION II and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
LOCAL SECTION II	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Midland	---	---	38000	43800	51750	65500	65000	70000	75250	83750	---	56700 - 75th %-tile
	---	---	36000	40500	47200	56000	58450	62900	63500	80500	---	46200 - 50th %-tile
	---	---	35600	38600	40500	49625	50000	51000	52000	60000	---	38900 - 25th %-tile
	---	---	36825	41589	47664	55500	58567	63360	64511	74750	---	50059 - Mean
	---	---	1850	4703	8496	17521	10982	14766	14862	14080	---	14864 - Std Dev
	0	0	40	33	25	20	24	15	18	4	0	179 - Count
New York	---	---	40775	46000	51225	58000	60900	68700	69250	79050	---	58000
	---	---	39000	40000	47500	50500	54500	55400	56000	60750	32000	49000
	---	---	36750	35400	42250	43750	41750	50000	50000	51050	---	40000
	---	---	39480	40849	48009	51066	52087	57973	58926	62803	32000	50223
	---	---	5399	6973	10127	13130	13062	15811	13282	20150	---	14321
	0	0	50	51	76	58	38	45	38	32	1	389
Northeastern	---	---	40000	45000	52000	59700	60000	67950	65750	79150	---	58000
	---	---	37000	41350	45000	52500	52500	58000	60000	55000	53100	46000
	---	---	35000	36850	40000	42500	42525	43000	50000	45000	---	40000
	---	---	37341	41714	46888	52878	52948	55176	57350	59518	53100	48805
	---	---	4224	7877	10447	11836	15063	17391	16877	17429	---	13726
	0	0	46	72	107	89	52	45	32	17	1	441
North Jersey	---	---	41000	49500	56000	63750	64000	75000	72000	80000	---	62000
	---	37200	38000	43650	48400	55000	56000	64000	61700	69600	42000	50000
	---	---	35500	38700	43000	48000	49450	52000	55000	50100	---	41500
	---	37200	38884	44709	50096	55699	57327	63291	64322	65775	42000	52776
	---	---	5205	8317	11911	13214	12591	16142	13967	20658	2828	15156
	0	1	111	170	159	148	85	103	59	61	2	899
Philadelphia	---	---	40000	46550	55000	62000	68750	66000	70000	75000	---	60000
	---	---	38000	42500	50000	56000	60000	57500	60000	59000	45000	49500
	---	---	36000	38575	44500	47000	51450	46660	52000	42500	---	40000
	---	---	38307	42936	49119	58219	61228	55872	60917	59146	45000	50681
	---	---	3914	6178	10510	12184	13491	15231	15804	17095	---	13697
	0	0	89	112	95	79	65	58	36	39	1	574
Pittsburgh	---	---	39800	44450	50000	61000	65600	75000	61350	73350	---	57250
	---	---	37400	38700	43800	52200	57500	53500	56600	65000	---	46150
	---	---	36000	36000	39500	43250	50200	48000	49050	47150	---	38625
	---	---	38339	40221	44715	52586	60775	59004	54872	56889	---	49018
	---	---	6933	5798	8641	11028	12889	15536	7567	25870	---	13501
	0	0	23	29	39	29	12	23	18	9	0	182
Puget Sound	---	---	36000	39800	48000	58000	54550	58750	63250	---	---	51500
	---	---	34000	35200	38100	43000	47500	45500	52650	80000	---	40000
	---	---	28800	32000	30000	34000	34950	28250	44250	---	---	34000
	---	---	33129	35400	38638	44400	46267	43000	55217	80000	---	42987
	---	---	4805	3504	13457	12346	10067	22138	14309	---	---	14723
	0	0	7	3	13	11	6	6	6	1	0	53
Rochester	---	---	49900	49200	59500	65000	70000	75000	85575	86250	---	65200
	---	---	40000	45000	52600	56000	65000	58200	76950	77500	43000	53000
	---	---	37200	42450	49950	47000	53400	50000	60025	53700	---	47300
	---	---	40371	45483	52702	55703	62393	62137	73958	73150	43000	56423
	---	---	11077	4680	7168	11510	8534	16559	13510	18920	9899	13444
	0	0	7	24	33	35	27	19	12	4	2	163
Southeastern Texas	---	---	43575	49725	56850	68275	75000	71125	87150	78000	---	60250
	---	---	41250	42450	48500	58300	60000	60000	61000	64400	43500	50050
	---	---	37275	38700	40650	48000	50000	48675	53400	52600	---	42000
	---	---	40381	42996	49137	58803	60568	61563	66392	65927	43500	52773
	---	---	4923	8319	10354	17074	18019	14584	22764	14116	---	15986
	0	0	26	48	41	32	22	24	13	15	1	222
St. Louis	---	---	40000	43500	60000	65000	61875	77500	76500	83250	---	60000
	---	---	38200	40000	48450	56000	57000	65000	57000	63300	32000	47000
	---	---	36000	38950	43000	50000	48825	52000	52500	51500	---	40000
	---	---	37408	40706	50398	56907	56262	62726	62343	67050	32000	50881
	---	---	5970	4652	11988	11217	12458	19185	13832	18236	---	15253
	0	0	39	53	48	27	20	23	21	18	1	256
Washington, D.C.	---	---	36125	42250	53000	54750	62500	62700	65750	68000	---	57900
	---	---	32650	39000	45000	48000	52000	55800	57350	63750	51500	50000
	---	---	30550	32925	40000	41150	43800	48100	50250	50000	---	41000
	---	---	33279	38738	46272	47640	53055	55542	56881	60902	51500	49676
	---	---	4803	7421	9156	10611	10468	9158	9406	11108	9192	11957
	0	0	24	50	74	93	67	57	48	42	2	457
Western Connecticut	---	---	42100	48000	55000	70500	77875	68750	72000	79175	---	57125
	---	---	37750	44000	48600	58100	54900	58700	60000	54500	---	50000
	---	---	35225	40000	45000	52000	40750	46500	50000	45750	---	41950
	---	---	38829	44219	50593	61517	57830	55431	60664	60783	---	52058
	---	---	7099	6003	7754	12390	17378	14021	13970	18869	---	13775
	0	0	14	27	19	18	10	13	11	6	0	114
None of the above	---	64825	40000	45375	53000	60000	62000	65400	66250	72000	55000	58000
	---	47750	38000	41000	46250	51000	54000	57000	56600	60000	47300	48000
	---	33000	35000	37625	40350	44000	48000	47000	48000	48300	36000	40000
	---	48525	37768	41680	47238	51744	54181	56574	57162	60578	47600	49621
	---	17099	4210	7330	10027	11709	12859	15130	14486	15866	13153	13213
	0	4	355	620	710	691	444	427	322	179	11	3,763
No Response	---	62675	40375	48000	54500	60000	62000	63775	66000	71000	56250	57000
	---	35900	38000	42000	48000	52000	53500	55000	55250	59500	52000	48000
	---	32750	36000	38000	41100	46200	46000	48000	48950	45550	45000	40000
	---	38713	38251	42949	48292	53385	54236	56604	57280	59082	51500	49679
	---	9227	4555	7461	10541	12531	14302	14299	14212	18406	5857	13242
	0	8	308	528	575	515	296	282	281	133	6	2,852
TOTAL	---	51700	40000	46500	53600	60000	63000	67000	67500	75000	54525	58000
	---	36000	38000	42000	47450	52000	54750	57000	57200	60000	45000	48000
	---	32500	35600	38000	41000	45000	46500	48000	50000	48900	37600	40000
	---	41615	38039	42363	47962	52894	55128	57477	58586	61361	46829	50146
	---	12080	4736	7362	10413	12444	13436	15191	14491	17487	10261	13676
	0	13	1,139	1,820	2,010	1,825	1,174	1,140	835	560	28	10,544

Table 2.1.1

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	24000	27000	32600	39000	43000	49000	50000	54000	52000	55750	---	42000 - 75th %-ile
	21450	23600	28500	33300	37600	40000	43150	44500	44000	46000	---	33000 - 50th %-ile
	18225	20800	25000	29000	32000	34200	37775	38000	36500	38000	---	26000 - 25th %-ile
	21540	24092	29047	34394	38733	41721	44702	46354	45457	47554	---	35350 - Mean
	4967	5766	6435	8337	10069	11195	12547	12944	12876	14761	---	12723 - Std Dev
	242	938	1,397	858	585	512	502	543	483	224	0	6,284 - Count
Masters	---	29200	34500	40000	46000	50850	54000	55000	56075	60900	45250	47500
	60500	26700	30150	35000	39200	43000	46000	48000	48500	50000	32500	38000
	---	25000	27000	30000	34075	36550	40000	40000	40000	40000	28200	31000
	60500	27041	30883	35664	40419	43924	47267	48986	49649	51495	35038	40300
	---	4326	6337	7613	9961	11354	12024	12456	14912	16725	9506	12689
	1	132	744	761	598	433	330	372	372	148	8	3,899
Doctorate	---	37350	40000	47000	54650	61650	65000	69000	69000	77000	54050	59000
	---	36000	38000	42000	48000	54000	56000	59000	58000	62000	45000	48600
	---	33500	36000	38500	42000	46250	48700	50000	50000	50000	36400	40000
	---	37833	38381	42928	48958	54381	56815	58549	59417	63061	46528	50628
	---	8181	4425	6970	10053	12262	13290	15505	14326	17960	10624	13601
	0	9	1,079	1,694	1,729	1,477	933	915	639	417	25	8,917
No Response	---	---	---	---	---	---	---	---	---	---	50000	50000
	---	---	---	---	---	---	---	---	---	---	40000	40000
	---	---	---	---	---	---	---	---	---	---	30000	30000
	---	---	---	---	---	---	---	---	---	---	40944	40944
	---	---	---	---	---	---	---	---	---	---	14420	14420
	0	0	0	0	0	0	0	0	0	0	147	147
TOTAL	24000	27500	37600	44000	51575	58000	60000	63000	61000	70000	50000	52000
	21500	24000	33000	39000	44300	50000	50000	51000	50150	54300	40000	41300
	18300	21000	27300	33300	38000	40000	42000	42000	41625	44000	31250	33000
	21700	24568	32599	39049	45150	49836	51585	52986	52472	56489	41457	43474
	5552	5838	7152	8489	11053	13188	14015	15266	15331	18286	13925	14835
	243	1,079	3,220	3,313	2,912	2,422	1,765	1,830	1,494	789	180	19,247

Table 2.1.2

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS - MEN ONLY
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	24925	27800	33000	40000	44000	50000	51300	54000	53450	55500	---	44850 - 75th %-ile
	21600	24000	29000	34000	38400	41000	44000	45000	45000	47000	---	35500 - 50th %-ile
	19000	20850	25000	29950	32750	35000	39000	38000	37075	38500	---	28000 - 25th %-ile
	22170	24526	29560	35140	39538	42613	45544	46567	45922	47801	---	37278 - Mean
	5690	6497	6682	8541	10209	10884	12386	12761	12911	14662	---	12917 - Std Dev
	118	541	992	705	489	438	451	509	448	197	0	4,888 - Count
Masters	---	29000	35000	40000	46000	52000	56000	55850	56625	62000	48400	49000
	60500	26350	30700	35000	40000	44850	48000	48000	49000	50000	36000	40000
	---	24825	27200	30300	35000	37425	40000	40000	40000	41000	26475	32025
	60500	26655	31288	36036	41037	45181	48641	49484	49868	52182	36717	41662
	---	3443	6518	7614	9845	10923	11835	12488	14633	16507	10629	12848
	1	74	503	607	491	346	276	344	338	138	6	3,124
Doctorate	---	37500	40200	47000	55000	62000	65000	69000	69000	77000	54050	60000
	---	36000	38000	42000	49000	54000	56000	59000	58000	62700	45000	49800
	---	32000	36000	38700	42400	47000	50000	50000	50000	50000	36400	41000
	---	38529	38560	43104	49359	54720	57288	58603	59541	63247	46528	51247
	---	9309	4246	6944	9854	12143	12865	15368	14217	17861	10624	13567
	0	7	862	1,419	1,523	1,343	845	843	594	390	25	7,851
No Response	---	---	---	---	---	---	---	---	---	---	51000	51000
	---	---	---	---	---	---	---	---	---	---	43000	43000
	---	---	---	---	---	---	---	---	---	---	33000	33000
	---	---	---	---	---	---	---	---	---	---	43495	43495
	---	---	---	---	---	---	---	---	---	---	14079	14079
	0	0	0	0	0	0	0	0	0	0	111	111
TOTAL	25000	28000	38000	44500	52000	59000	60000	63000	61000	70000	51250	53400
	21700	24500	33600	39500	45000	50000	51450	51000	51000	54700	43550	43000
	19000	21000	28000	34000	38500	42000	43000	42500	42000	44750	34150	35000
	22492	24937	33220	39477	45808	50675	52400	53141	52751	56943	43743	45044
	6667	6444	7162	8429	10872	12862	13646	15107	15176	18156	13468	14655
	119	622	2,357	2,731	2,503	2,127	1,572	1,696	1,380	725	142	15,974

Table 2.1.3

SALARIES of FULL-TIME EMPLOYED INNDUSTRIAL CHEMISTS - WOMEN Only
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Bachelors	23875	26000	31425	35000	40000	40000	41500	51375	44500	60500	---	32250	- 75th %-ile
	21000	23400	27300	30000	34000	34000	36000	37500	36800	43800	---	26600	- 50th %-ile
	18000	20775	24000	26400	28000	28300	28700	31900	30000	34900	---	22800	- 25th %-ile
	20885	23492	27684	30779	34286	35306	36836	41787	37787	47423	---	28250	- Mean
	4153	4498	5493	6303	7764	10008	11702	13862	9416	14306	---	8764	- Std Dev
	120	382	384	135	91	71	47	30	31	22	0	1,313	- Count
Masters	---	29425	33500	37350	42000	44350	44400	50000	50000	47900	---	39200	
	---	26950	29900	33000	36000	38000	40000	44300	41000	36500	30000	32200	
	---	25000	26200	30000	31000	29875	33000	33000	34200	26800	---	28000	
	---	27350	30107	34101	37495	37876	39853	42113	44517	37180	30000	34231	
	---	5185	5901	7433	9945	11012	10924	11085	15418	13600	0	9616	
	0	54	215	141	93	78	47	23	23	5	2	681	
Doctorate	---	---	40000	45550	50300	56750	54475	62700	63600	57500	---	48000	
	---	35400	37400	40500	44800	48000	45700	50000	54000	48750	---	40000	
	---	---	36000	37500	39200	40000	33750	37500	35000	42400	---	36175	
	---	35400	37909	41706	44792	48507	45802	50759	53032	52463	---	43077	
	---	566	5211	6444	9389	10485	14546	15925	18130	16183	---	10121	
	0	2	174	177	105	72	42	27	19	8	0	626	
No Response	---	---	---	---	---	---	---	---	---	---	38250	38250	
	---	---	---	---	---	---	---	---	---	---	28500	28500	
	---	---	---	---	---	---	---	---	---	---	24125	24125	
	---	---	---	---	---	---	---	---	---	---	30456	30456	
	---	---	---	---	---	---	---	---	---	---	10368	10368	
	0	0	0	0	0	0	0	0	0	0	32	32	
TOTAL	23875	26725	36000	40850	45000	48050	46275	53000	51000	55800	36750	39200	
	21000	23900	30000	36000	39000	39000	39250	44400	40500	45600	29500	32000	
	18000	21000	26000	30000	32000	31250	32225	33000	33200	36000	24375	25100	
	20885	24022	30660	36082	39136	40514	40648	44909	43875	47111	30429	33312	
	4153	4807	6859	8190	10111	11913	12850	14349	15165	14947	10050	11075	
	120	438	773	453	289	221	136	80	73	35	34	2,652	

Table 2.2.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	22575	26250	32350	36500	46550	60000	48450	59100	49500	56000	---	36000 - 75th %-tile
	21200	22000	28000	31000	35000	34000	44100	40200	40000	40000	---	29000 - 50th %-tile
	16950	18300	24000	28000	24600	29000	31500	31500	26450	20100	---	22500 - 25th %-tile
	20230	22667	28615	32112	37313	44386	40800	43600	38380	38440	---	30784 - Mean
	2937	5552	6664	5006	14137	20414	8919	14827	12829	20796	---	11788 - Std Dev
	10	21	33	17	8	7	5	4	5	5	0	115 - Count
General chemistry	24800	29800	33000	40650	42750	52250	48000	54000	56200	55250	---	44000
	23000	24000	28600	34600	38500	40000	40500	44000	46500	43000	---	35000
	17200	20900	25150	30000	32250	34375	38125	36000	40350	34250	---	27275
	21386	24985	29495	35208	38256	42177	42679	44191	49236	45583	---	36474
	4753	6587	6854	6603	9112	13375	11554	13436	11265	12154	---	12528
	7	47	78	37	36	26	24	53	28	12	0	348
Analytical chemistry	24000	27000	32000	38400	42025	48025	48000	50000	51200	49000	---	40000
	21000	23500	28000	33000	36800	40000	41800	42000	43000	40000	---	31500
	18300	20500	24600	28000	31950	34000	33000	35300	35000	33500	---	25300
	21595	23780	28572	33573	37430	40958	41311	43491	44351	42028	---	33279
	4712	4728	5826	7398	8581	10682	12459	11875	12260	12334	---	10983
	87	343	544	359	226	174	152	153	117	43	0	2,198
Inorganic chemistry	28000	28325	33000	38925	43500	50500	50000	52275	53200	52000	---	45000
	22400	25100	28300	35350	38000	39500	44000	41750	46000	46000	---	36000
	19400	22000	23800	28725	28000	34375	40000	36050	36000	34200	---	27650
	23000	25214	29337	35046	36594	41907	46020	42454	45248	45685	---	37523
	4438	4938	8525	8040	9476	10947	14478	10259	12567	14808	---	12903
	6	22	43	26	17	14	30	26	31	13	0	228
Organic chemistry	24000	26225	32000	40000	42000	46975	53700	54000	50375	60000	---	43250
	22500	23850	28000	34000	36400	41000	46700	45000	41700	50000	---	34000
	20775	21000	25000	30000	33000	35000	39500	40000	35250	39000	---	26000
	23239	24359	28857	35987	39521	41791	48259	46803	44969	49514	---	36441
	6580	7240	5666	10237	12082	10004	12396	10927	13508	14074	---	13403
	28	138	147	95	71	78	75	58	72	35	0	797
Polymer chemistry	25375	28000	34000	40225	49000	50000	53350	56800	55300	60500	---	47000
	23000	24500	30000	36000	41100	42000	45800	48500	45000	50000	---	37000
	19525	21175	26300	30000	33000	36100	39750	40000	40000	40000	---	28000
	22769	25517	30409	36371	41942	42984	46926	50003	47432	50666	---	38688
	4220	6976	5962	9339	11534	9427	12169	13159	13298	16250	---	13833
	36	150	203	132	79	89	102	121	112	59	0	1,083
Pharmaceutical chemistry	23700	25575	31000	34000	47000	46653	56200	60000	52500	65625	---	40000
	22450	23450	27000	30500	40000	40000	43500	45000	42500	52250	---	30750
	20000	20600	24200	26000	35000	31550	40000	37000	36000	40250	---	24650
	21343	22940	27658	31155	43422	40620	47139	48452	43735	53000	---	34020
	3059	4289	5037	7443	11189	11311	10017	16188	9995	15398	---	13074
	14	58	71	31	27	25	23	23	20	6	0	298
Medicinal/ clinical chemistry	---	26250	30000	39250	44000	52650	46000	55000	43825	---	---	38000
	16600	22500	26600	31700	37250	38000	41500	32000	37900	34000	---	30150
	---	19600	23850	26075	33500	32900	35700	24000	33750	---	---	24925
	16600	23718	27085	33194	37693	45122	42543	37000	38850	34000	---	32778
	---	5937	3869	7993	8170	21328	7116	16093	6851	---	---	11196
	1	17	26	18	14	9	7	3	8	1	0	104
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	55000
	---	---	41000	---	---	---	---	---	---	55000	---	44000
	---	---	---	---	---	---	---	---	---	---	---	18000
	---	---	41000	---	---	---	---	---	---	55000	---	45667
	---	---	4243	---	---	---	---	---	---	---	---	8622
	0	0	2	0	0	0	0	0	0	1	0	3
Environmental chemistry	19000	27075	32850	41500	43750	46750	52125	53800	53500	61000	---	41000
	18000	22000	30000	33600	38250	38700	41650	45850	45000	48000	---	32200
	13500	18525	24400	29000	30750	33050	35250	40000	38050	38500	---	25000
	18013	22430	29254	34949	38283	40976	43118	48792	47052	47446	---	34254
	5932	5280	6758	8954	9378	11409	11346	12199	11704	14360	---	12279
	15	54	117	71	40	25	28	24	25	13	0	412
Agricultural/ food chemistry	24200	24000	33225	37500	43100	50000	53000	55000	52975	59500	---	43050
	19800	22500	27000	33000	40000	39800	43000	42000	47600	42550	---	33150
	15000	20125	22700	28825	30300	32000	38900	33750	39000	37250	---	24500
	19907	22442	29531	33965	38944	40867	46006	46109	46575	48910	---	36189
	4165	4134	12081	6613	12714	13041	13354	16749	15817	17131	---	15256
	15	24	52	26	25	15	17	34	20	10	0	238
Physical chemistry	25300	25300	35750	36500	42675	54250	56700	65000	50000	53500	---	45000
	23400	23800	31250	34500	39900	44000	50000	50700	41000	48000	---	35750
	21000	21525	28000	28000	33525	37050	38000	42500	35375	41500	---	27075
	22145	24332	31634	32374	38883	46067	50233	52300	42517	47200	---	37585
	6326	4123	6680	8249	8334	13123	13654	13296	12543	12035	---	13824
	11	28	32	19	18	18	15	19	18	10	0	188
Other chemistry	26225	30000	31350	40000	40000	47750	50750	53500	55000	60000	---	43075
	18750	24150	28000	35000	36000	38700	42200	48000	41000	50000	---	34600
	16625	19625	24000	29000	31000	30775	33250	38500	30600	40250	---	25775
	20467	24528	28437	34637	36567	39600	42567	46928	43867	50294	---	35978
	4683	5964	6160	10466	8376	11593	13068	9644	15380	15225	---	13252
	12	36	49	27	24	32	24	25	27	16	0	272
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24000	27000	32600	39000	43000	49000	50000	54000	52000	55750	---	42000
	21450	23600	28500	33300	37600	40000	43150	44500	44000	46000	---	33000
	18225	20800	25000	29000	32000	34200	37775	38000	36500	38000	---	26000
	21540	24092	29047	34394	38733	41721	44702	46354	45457	47554	---	35350
	4967	5766	6435	8337	10069	11195	12547	12944	12876	14761	---	12723
	242	938	1,397	858	585	512	502	543	483	224	0	6,284

Table 2.2.1.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS												
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	23700	29000	36000	36500	52500	62000	50000	---	54000	56000	---	40000	- 75th %-tile
	22400	23000	29000	31000	40000	60000	46900	54200	45000	40000	---	30500	- 50th %-tile
	21625	21000	24000	27500	30000	48000	44100	---	40000	20100	---	24000	- 25th %-tile
	22575	24609	30100	31597	41000	63333	47000	54200	46333	38440	---	34106	- Mean
	1090	5824	7289	4955	13892	17243	2061	13059	7095	20796	---	13135	- Std Dev
	4	11	19	13	5	3	3	2	3	5	0	68	- Count
General chemistry	---	30000	33250	41450	43000	52500	48125	54250	56200	53750	---	45000	
	23750	25000	28750	35000	38900	40000	40500	43850	46500	43000	---	36600	
	---	21000	25000	30250	33500	35500	38375	36000	40350	36500	---	28575	
	23750	25437	30058	36059	38878	43424	43059	44286	49236	44400	---	37740	
	1061	6934	7041	6510	9120	12850	11968	13721	11265	9755	---	12453	
	2	35	62	32	32	21	22	50	28	10	0	294	
Analytical chemistry	24900	27500	32000	39000	42900	49000	48000	50000	52000	50000	---	41150	
	22500	23900	28050	33300	37803	40100	42300	42000	43000	40500	---	33000	
	19150	20000	25000	29500	32000	36050	35800	36000	35000	35206	---	27000	
	22605	24156	28871	34236	38523	41974	42560	43779	44912	42720	---	35054	
	5276	5014	5920	7493	8533	10345	12324	11322	12328	12712	---	11227	
	41	192	384	296	176	148	135	243	187	35	0	1,657	
Inorganic chemistry	---	28325	35000	39750	43000	50500	50000	52273	52300	52500	---	46000	
	22500	26150	28400	35350	38000	39500	43500	41750	45500	46750	---	38000	
	---	21750	25000	29775	26000	38375	40000	36056	35750	32550	---	29000	
	22500	25321	30106	36123	36127	41907	44664	42454	44690	45658	---	38611	
	7778	5427	9254	7638	9308	10947	13235	10259	12385	15466	---	12505	
	2	14	32	22	15	14	28	26	30	12	0	195	
Organic chemistry	25000	25000	32000	40100	42350	50000	54675	51250	51250	60000	---	45300	
	22300	23700	28250	34000	37000	41000	46850	45000	42000	49500	---	36000	
	20625	21000	25075	30000	31000	35000	39625	40000	37875	39200	---	27600	
	23883	24300	29040	36201	40015	42387	48481	46428	45870	49619	---	38100	
	8089	8594	5766	10484	12441	10047	12561	9873	13543	14446	---	13647	
	18	79	106	83	65	70	72	54	66	32	0	645	
Polymer chemistry	25525	28900	34000	42000	50000	50000	53875	56900	55550	60000	---	49000	
	21350	24600	30500	36800	41100	42150	46200	48250	45000	50000	---	39000	
	19000	21100	27000	30225	33100	36050	40000	40000	40000	40000	---	30000	
	22139	26184	30906	36963	42171	43061	47187	49978	47501	50040	---	40312	
	4111	7972	5969	9570	11695	9452	12272	13211	13382	16165	---	13803	
	18	97	156	118	75	88	98	120	110	57	0	937	
Pharmaceutical chemistry	24000	26750	31075	36000	48500	48950	58000	62925	53750	65500	---	44000	
	21100	25000	28000	32000	39950	43700	48500	45500	47000	50000	---	34100	
	20000	22650	25225	28900	35250	34500	40000	38500	36000	37500	---	26400	
	21843	23824	28473	32661	43933	42786	49428	50225	44694	51200	---	36703	
	1745	4569	5169	7626	11658	10920	9948	16533	10895	16495	---	13376	
	7	25	52	23	24	21	18	16	16	5	0	207	
Medicinal/ clinical chemistry	---	28750	30000	43500	43600	73150	48500	55000	48250	---	---	40150	
	---	22550	27450	33000	37000	44000	41500	32000	40300	---	---	33100	
	---	19900	24750	26850	35500	26900	35675	24000	34500	---	---	25750	
	---	25080	27786	34162	39189	48820	42717	37000	41160	---	---	34674	
	---	6938	3983	8597	7136	28364	7779	16093	7931	---	---	12254	
	0	10	14	13	9	5	6	3	5	0	0	65	
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	55000	
	---	---	41000	---	---	---	---	---	---	55000	---	44000	
	---	---	---	---	---	---	---	---	---	---	---	38000	
	---	---	41000	---	---	---	---	---	---	55000	---	45667	
	---	---	4243	---	---	---	---	---	---	---	---	8622	
	0	0	2	0	0	0	0	0	0	1	0	3	
Environmental chemistry	23000	27430	33375	42000	44750	48550	52125	53800	54250	61000	---	43250	
	17250	21000	29950	34000	39500	40000	42750	45850	46250	48000	---	34750	
	13750	18000	24025	29000	33500	33050	39250	40000	39325	38500	---	27000	
	19250	21958	29380	35651	39197	41733	44063	48792	47763	47446	---	35919	
	6073	5720	7120	9115	9169	11977	9960	12199	11391	14360	---	12465	
	6	33	92	61	36	21	24	24	24	13	0	334	
Agricultural/ food chemistry	23400	24500	36600	37625	44150	49000	54000	55000	52050	54500	---	45700	
	19800	23000	27500	33000	40050	39900	46500	42000	47200	42500	---	36900	
	15000	19000	22750	29000	30450	32250	40075	36000	39000	35750	---	27000	
	19433	22624	31863	34314	39573	41375	47088	46506	45237	47375	---	38041	
	4548	4240	14276	6807	13307	13081	13000	16845	15042	17320	---	15491	
	9	17	32	22	22	12	16	33	19	8	0	190	
Physical chemistry	26950	28000	37000	36500	42000	57000	57525	65000	50000	52500	---	48000	
	22000	23900	31000	31000	38500	48000	47500	51350	41000	48000	---	36000	
	16500	21300	28000	25000	32575	37800	37500	43400	35250	38000	---	28000	
	21589	24974	31822	31907	38275	48443	49893	52883	42788	46556	---	38543	
	6929	4798	6386	9193	8658	13385	14103	13429	13208	12581	---	14303	
	9	19	27	15	16	14	14	18	16	9	0	157	
Other chemistry	26475	30000	35000	40750	40000	49500	58500	54750	55000	60000	---	47525	
	22000	24650	29500	37150	36000	42500	46500	48500	41000	50000	---	37000	
	16875	18500	25050	29700	31000	34250	39675	38750	30600	40000	---	29275	
	21800	24810	29624	36090	36995	41821	45911	47600	43867	50913	---	38503	
	5109	6481	6064	10480	9017	11298	12899	9728	15380	15549	---	13553	
	6	20	33	20	19	24	18	22	27	15	0	204	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	24675	27800	33000	39850	44000	50000	51075	54000	53500	55250	---	44500	
	21850	24000	29000	34000	38450	41000	44000	45000	45000	46500	---	35400	
	19000	20925	25000	29850	32700	35000	39000	38000	37300	38000	---	28000	
	22184	24528	29571	35076	39552	42754	45553	46596	45925	47569	---	37234	
	5598	6480	6690	8501	10235	11042	12347	12760	12877	14845	---	12924	
	122	552	1,011	718	494	441	454	511	451	202	0	4,956	

Table 2.2.1.2

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS												
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	21300	23275	30250	39100	48400	32925	---	---	---	---	---	30000	- 75th %-tile
	18350	21800	25150	33700	22800	29350	31500	33000	26450	---	---	25000	- 50th %-tile
	16075	17250	22150	28600	22300	28250	---	---	---	---	---	21000	- 25th %-tile
	18667	20530	26600	33800	31167	30175	31500	33000	26450	---	---	25979	- Mean
	2735	4599	5305	5521	14927	2644	3536	4243	9122	---	---	7289	- Std Dev
	6	10	14	4	3	4	2	2	2	0	0	47	- Count
General chemistry	26000	27200	32200	33950	40500	50000	---	50300	---	---	---	33875	
	19000	23000	27500	28500	34800	39300	38500	44500	---	51500	---	27400	
	15600	18000	25400	24775	24525	22700	---	33000	---	---	---	22625	
	20440	23727	27313	29075	33275	36940	38500	42600	---	51500	---	29656	
	5449	5771	5755	4994	8480	15614	4950	8805	---	26163	---	10788	
	5	11	16	4	4	5	2	3	0	2	0	52	
Analytical chemistry	23100	26000	31900	34550	38300	38875	35000	53075	45625	44700	---	31900	
	20200	23200	27400	30000	33000	32400	31000	30700	42250	37950	---	26400	
	17950	20850	24000	26200	27750	27825	25450	26025	27425	30875	---	22900	
	20696	23315	27841	30466	33584	35173	31389	39370	38350	39000	---	27842	
	3931	4319	5559	6067	7660	10931	6670	18395	10179	10725	---	8077	
	46	150	159	61	50	26	17	10	10	8	0	537	
Inorganic chemistry	26950	29300	32500	36000	---	---	---	---	---	---	---	33000	
	22400	23500	28000	31250	40100	---	65000	---	62000	46000	---	28000	
	20430	22125	22000	20125	---	---	---	---	---	---	---	22250	
	23250	25025	27100	29125	40106	---	65003	---	62000	46000	---	31091	
	3523	4288	5687	8664	14001	---	24042	---	---	---	---	13531	
	4	8	11	4	2	0	2	0	1	1	0	33	
Organic chemistry	23550	27300	32000	35000	37750	44150	50000	60000	40000	55000	---	32000	
	22950	24000	27600	32000	35400	39000	41000	36500	32300	55000	---	26900	
	20275	21000	24950	29300	30050	26850	37800	31000	29450	35200	---	23000	
	22080	24439	28385	33282	34167	36575	42933	42500	35067	48400	---	28681	
	1986	4948	5434	7805	4992	8432	6326	15403	8854	11432	---	8226	
	10	59	41	11	6	8	3	3	6	3	0	150	
Polymer chemistry	25750	26500	33300	35625	44650	---	48550	---	---	---	---	31975	
	23700	24200	29750	31200	37300	36200	37100	53000	43650	68500	---	26650	
	21750	21600	24875	28825	31000	---	36000	---	---	---	---	23500	
	23400	24440	28909	31386	37650	36200	40550	53003	43650	68500	---	28386	
	4351	4362	5664	4982	7700	---	7703	---	8980	4950	---	8446	
	18	52	46	14	4	1	4	1	2	2	0	144	
Pharmaceutical chemistry	23600	25000	29000	30000	45000	34025	42750	59825	43825	---	---	31375	
	23000	22050	26000	30000	40000	28650	41000	43950	39250	62000	---	25250	
	15500	20450	23400	20000	33000	25075	34000	35800	36625	---	---	21700	
	20843	22213	25426	26429	39333	29250	38900	47467	39900	62000	---	27963	
	4080	4055	3972	5350	6028	4835	4775	14862	3839	---	---	10173	
	7	32	19	7	3	4	5	6	4	1	0	88	
Medicinal/ clinical chemistry	---	24600	29450	37000	44000	50000	---	---	36800	---	---	35000	
	16600	22100	26150	29300	38000	38000	41500	---	34800	34000	---	27000	
	---	17200	23050	25050	24500	33500	---	---	33400	---	---	23200	
	16600	21771	26267	30680	35000	40500	41500	---	35000	34000	---	29618	
	---	3779	3731	6233	10050	9434	---	---	1709	---	---	8394	
	1	7	12	5	5	4	1	0	3	1	0	39	
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
Environmental chemistry	20500	27150	32350	35850	36900	45000	56750	---	---	---	---	31000	
	18000	23500	30000	30500	30600	35000	30400	---	30000	---	---	27000	
	12750	18900	25500	25750	22650	31000	25200	---	---	---	---	22000	
	17189	23171	28788	30670	30050	37000	37450	---	30000	---	---	27124	
	4351	4539	5312	6782	7868	7746	18659	---	---	---	---	8324	
	9	21	25	10	4	4	4	0	1	0	0	78	
Agricultural/ food chemistry	24500	24000	28750	37300	40000	55000	---	---	---	---	---	33000	
	20100	22000	26500	32150	36900	37500	28700	33000	---	55050	---	26400	
	17925	20500	22700	26700	27000	24000	---	---	---	---	---	22000	
	20617	22000	25800	32050	34333	38833	28700	33000	---	55050	---	27945	
	3804	4153	5953	5861	6658	15543	---	---	---	21142	---	10080	
	6	7	20	4	3	3	1	1	0	2	0	47	
Physical chemistry	---	24000	35500	36500	---	44500	---	---	---	---	---	41800	
	24650	23000	31500	34750	43750	40500	55000	41800	40350	53000	---	31500	
	---	21800	25300	31125	---	28250	---	---	---	---	---	24000	
	24650	22978	30620	34125	43750	37750	55000	41800	40350	53000	---	32732	
	919	1595	6005	2955	1768	8995	---	---	6859	---	---	9916	
	2	9	5	4	2	4	1	1	2	1	0	31	
Other chemistry	22325	26625	28750	35600	39000	37950	40500	51000	---	---	---	35000	
	18750	23800	25250	33000	36000	32300	37000	42000	---	41000	---	26800	
	15000	19875	22475	26000	30350	23425	24600	33000	---	---	---	21500	
	19133	24175	25988	30486	34940	32938	33440	42000	---	41000	---	26406	
	4229	5436	5787	9986	5777	10398	8208	9000	---	---	---	8769	
	6	16	16	7	5	8	5	3	0	1	0	67	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	23875	26000	31425	35000	40000	42000	41500	51375	44500	60500	---	32250	
	21000	23400	27300	30000	34000	34000	36000	37500	36800	43800	---	26600	
	18000	20775	24000	26400	28000	28300	28700	31900	30000	34900	---	22800	
	20885	23492	27684	30779	34286	35306	36836	41787	37787	47423	---	28250	
	4153	4498	5493	6303	7764	10008	11702	13862	9416	14306	---	8764	
	120	382	384	135	91	71	47	30	31	22	0	1,313	

Table 2.2.2

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS												
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	33100	38000	45300	49000	53325	59000	59175	61000	65000	---	55000	- 75th %-ile
	---	26400	33900	39000	41700	47500	51000	50000	54000	52000	---	45000	- 50th %-ile
	---	22750	30000	34000	37500	42075	43050	42375	47000	44000	---	38000	- 25th %-ile
	---	27706	35114	39766	43764	47338	52535	52180	55146	54262	---	47050	- Mean
	---	6543	10357	8924	11353	10071	12016	12057	12129	12222	---	13218	- Std Dev
	0	17	63	71	61	84	85	94	69	37	0	581	- Count
Basic Research	24000	26000	31600	37100	40000	44000	45075	53125	48800	44500	---	34700	
	22100	23800	27500	32000	36000	40000	40600	38500	44500	39600	---	27000	
	19000	21400	25900	27200	30000	30000	31250	35675	38250	25900	---	23400	
	21516	23994	28518	31967	36291	38113	37081	43428	44594	36080	---	29517	
	3859	3986	4996	6701	6775	10137	12216	11842	7957	10387	---	9068	
	43	135	101	45	35	23	16	18	16	5	0	437	
Applied R&D	25000	27000	32000	36775	42600	45150	49000	51000	50000	53200	---	40000	
	23000	24000	28000	32000	36000	38050	42000	43950	42000	45000	---	31900	
	20050	21500	25000	28500	31150	33275	37650	38000	34200	37500	---	25700	
	22678	24263	28793	32930	37611	39278	43060	45532	43269	47595	---	33851	
	4068	4302	5368	6949	9098	9379	10837	10969	12309	13798	---	11132	
	80	314	473	266	158	150	138	158	131	57	0	1,925	
General Mgt	26000	29200	36500	44875	48000	54000	60000	61250	60000	62800	---	51000	
	21600	27000	32800	39000	41000	45000	48000	46250	50000	50000	---	41000	
	19500	23650	28100	30250	36000	35925	40000	39750	41000	40000	---	33000	
	22520	27553	32813	39431	43378	44345	47833	51016	50833	49442	---	43462	
	4353	7634	7387	11226	11445	13544	14472	15865	15137	19092	---	14899	
	5	17	63	72	55	50	51	62	57	31	0	463	
Marketing	26500	30000	36000	43600	48150	50000	55000	54250	50250	60000	---	48600	
	24450	24000	30000	36000	41650	42000	45000	48000	45000	52000	---	39200	
	22250	20000	26000	31900	34000	38000	38150	40000	39400	45000	---	30000	
	25850	27120	31072	37744	41847	44416	46898	47788	44807	51348	---	39933	
	9705	11052	7288	8992	11946	10978	14432	13722	11581	12453	---	13353	
	12	51	124	85	66	55	58	66	73	40	0	630	
Prod & QC	23375	27000	31525	37500	40700	45000	46000	45375	45250	40975	---	37000	
	19500	23000	27850	32000	36000	38000	40000	39750	38950	32000	---	30000	
	16900	19550	23500	27550	30300	33900	33000	32050	32750	27625	---	24200	
	20364	23444	27640	32783	36182	38486	40099	39509	39168	34188	---	31250	
	4984	6160	5994	7522	8509	8810	10300	10867	10147	9877	---	9888	
	58	248	378	217	137	87	103	88	74	24	0	1,414	
Forensic	22800	26000	30500	36525	42350	38125	50875	44500	44950	37500	---	34500	
	20000	22000	27000	31250	35000	33750	42750	40000	41000	27800	---	27900	
	17000	19000	23225	26950	30050	28775	35625	30800	36725	27000	---	22000	
	19400	22507	27209	31560	35528	33967	43936	38929	40350	30767	---	29216	
	3803	5125	5621	6274	8387	7746	11743	9460	7255	5845	---	9279	
	23	74	88	42	29	18	14	17	14	3	0	322	
Writing/ Editing	---	28100	32100	35075	47500	49725	48000	48850	39000	53750	---	40925	
	---	22800	26450	33500	38000	38100	41000	39500	34600	42600	---	34750	
	---	18100	20650	29000	34350	27775	36700	31175	30000	34300	---	27950	
	---	23040	26525	31583	40340	37975	40586	39438	36286	43550	---	35348	
	---	5659	6174	5819	9054	13712	8912	9560	9781	10546	---	10661	
	0	5	8	6	5	8	7	8	7	4	0	58	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	41250	
	---	24350	23650	45000	---	70000	37500	35000	---	---	---	33500	
	---	---	---	---	---	---	---	---	---	---	---	23825	
	---	24350	23650	45000	---	70000	37500	35000	---	---	---	35600	
	---	7990	495	---	---	---	3536	4243	---	---	---	14579	
	0	2	2	1	0	1	2	2	0	0	0	10	
Consulting	26325	24500	30000	43500	50000	60250	57000	59275	45000	62500	---	45000	
	17000	22000	30000	35850	35000	52500	43500	48750	43250	50000	---	34000	
	13000	17900	24500	28700	25000	42500	35250	38500	38750	37500	---	25000	
	18775	21653	29553	36881	36743	51600	44375	51367	40700	50000	---	35920	
	7321	4819	7527	9692	11027	10083	12044	18348	6356	13693	---	13722	
	4	15	15	16	7	5	8	6	10	5	0	91	
Other	26000	29100	33300	36000	41775	50000	46400	56700	55000	52500	---	43500	
	18000	24300	30100	32550	37000	42500	40300	49000	45500	45600	---	34750	
	13000	21000	26600	27075	30500	33275	35000	38400	39100	42000	---	27000	
	20814	24972	29747	31600	36838	43929	41093	48300	47559	48877	---	36342	
	7767	6721	5389	5599	7166	14294	10872	12203	11924	10562	---	12796	
	7	39	49	20	24	24	15	20	27	13	0	238	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	24150	27000	32600	39000	43000	49000	50000	54000	52250	56000	---	42000	
	21450	23700	28500	33300	37600	40000	43100	44700	44000	46000	---	33000	
	18300	20850	25000	29000	32000	34850	37800	38000	36725	38000	---	26000	
	21596	24125	29057	34441	38753	41685	44741	46375	45531	47763	---	35435	
	5033	5769	6431	8386	10016	11046	12579	12943	12869	14595	---	12725	
	232	917	1,364	841	577	585	497	539	478	219	0	6,169	

Table 2.2.2.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	36075	39250	45550	49200	53750	59500	59175	61500	62725	---	55000 - 75th %-ile
	---	29350	34000	39400	41700	48000	51150	50000	54000	50000	---	46000 - 50th %-ile
	---	25725	30000	34000	37500	42400	43325	42875	47125	43250	---	39000 - 25th %-ile
	---	30042	35839	40015	44087	48025	52481	52379	55303	52962	---	47637 - Mean
	---	6422	10860	8845	11841	9726	11765	12090	12149	11861	---	12945 - Std Dev
	0	12	54	66	55	77	80	90	68	34	0	536 - Count
Basic Research	24000	26300	31775	38125	41250	44000	48000	53750	50000	44500	---	37625
	22200	23300	28550	33000	38150	41000	43000	38500	44500	39600	---	30000
	20550	21000	26000	27675	35000	30000	35700	35225	38750	25900	---	24000
	22114	23735	29272	32944	38096	39360	40218	43294	45107	36080	---	31305
	3459	4563	4802	6566	6509	11156	12946	12257	8250	10387	---	9929
	21	72	60	34	26	15	11	16	14	5	0	274
Applied R&D	26400	27575	32000	37250	43000	45850	50000	51000	0000	53675	---	41000
	22800	24200	28400	32400	36550	39850	42000	44200	42000	45000	---	33800
	19350	21500	25000	28975	32075	33950	38850	38000	3 225	37500	---	27000
	22607	24417	29205	33258	38164	39920	43893	45799	43240	48010	---	35384
	4764	4451	5495	7350	9017	9257	10856	10859	12386	14342	---	11482
	45	192	346	218	134	138	125	155	124	50	0	1,527
General Mgt	---	28400	36000	45000	50000	54750	60000	60000	60000	63850	---	53500
	19500	26500	32800	39100	41100	45000	48500	44700	50000	50000	---	42000
	---	23300	30000	31003	36500	37250	40000	39000	41000	39750	---	34200
	19500	26207	32960	40289	44167	45659	48394	50461	50833	49023	---	44360
	707	6133	7893	11318	11800	13740	14422	15801	15137	19273	---	15040
	2	15	47	63	49	44	49	59	57	30	0	415
Marketing	27000	32200	37000	44750	50000	51500	55000	54250	50875	60000	---	50000
	24900	24000	30900	36750	44000	42750	45000	48000	45000	52000	---	40000
	22000	21050	26500	32625	36000	39525	38500	40375	39500	45000	---	31000
	27986	28227	31637	38463	43556	44960	46925	47776	45197	50869	---	41131
	11752	12238	7552	8731	12064	10332	14498	13198	11435	12238	---	13137
	7	37	99	76	55	48	55	62	70	39	0	548
Prod & QC	24300	27450	32000	38300	40850	45000	46225	45875	45500	44075	---	39000
	20000	23100	28000	32500	36000	39000	41100	40000	39000	32000	---	32000
	18000	20000	23975	29000	30900	34000	35000	33.75	32500	27625	---	26000
	21378	24254	27949	33547	36475	38886	41146	40056	39303	34675	---	32886
	5902	6966	6014	7439	8571	8781	10023	10781	10295	10544	---	10022
	27	140	274	181	122	79	92	84	69	20	0	1,088
Forensic	22200	26300	31250	36525	43850	38125	49250	45000	43250	37500	---	36600
	20000	21300	27600	31750	37900	34350	42500	40000	41000	27800	---	29700
	17075	18000	24000	26600	31750	33000	34750	29600	35750	27000	---	23000
	19742	22198	27652	31559	37171	34650	43469	38987	39883	30767	---	30393
	3250	5814	5695	6611	8252	6732	12086	9895	7370	5845	---	9631
	12	44	61	34	21	14	13	15	12	3	0	229
Writing/ Editing	---	---	33900	34675	---	---	46250	40000	---	---	---	41200
	---	18100	29300	33500	56000	41400	40950	39000	56600	50000	---	35000
	---	---	25075	23250	---	---	37750	31700	---	---	---	29300
	---	18100	29425	30475	56000	41400	41650	36900	56600	50000	---	36052
	---	2970	4577	7026	---	---	4684	4531	---	---	---	11050
	0	2	4	4	1	1	4	3	1	1	0	21
Data Processing	---	---	---	---	---	---	---	---	---	---	---	42750
	---	24350	24000	45000	---	70000	40000	35000	---	---	---	35000
	---	---	---	---	---	---	---	---	---	---	---	25500
	---	24350	24000	45000	---	70000	40000	35000	---	---	---	37213
	---	7990	---	---	---	---	---	4243	---	---	---	15769
	0	2	1	1	0	1	1	2	0	0	0	8
Consulting	---	27900	30500	43500	46000	60250	57000	59275	45000	62500	---	45125
	12000	23000	30000	35850	35000	52500	43500	48750	43000	50000	---	35850
	---	17000	26375	28700	27600	42500	35250	38500	37500	37500	---	27950
	12000	22322	30093	36881	36440	51600	44375	51367	40389	50000	---	37708
	---	5773	7504	9692	10192	10083	12044	18348	6660	13693	---	13443
	1	9	14	16	5	5	8	6	9	5	0	78
Other	34400	31625	33125	36925	41950	50600	47700	56400	54575	52500	---	46150
	26000	23850	29500	34000	37000	44500	40300	50000	45600	46000	---	37100
	13000	18450	26000	27475	30500	40500	35500	39600	40000	42750	---	30000
	24467	25975	29328	33275	36957	48369	42185	48182	47804	49470	---	38941
	10782	9146	5754	5419	7439	14590	10842	11175	10687	11595	---	12901
	3	16	32	12	21	16	13	17	24	10	0	164
No Response	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24925	27800	33000	40000	44000	50000	51300	54000	53450	55500	---	44850
	21600	24000	29000	34000	38400	41000	44000	45000	45000	47000	---	35500
	19000	20850	25000	29950	32750	35000	39000	38000	37075	38500	---	28000
	22170	24526	29560	35140	39538	42613	45544	46567	45922	47801	---	37278
	5690	6497	6682	8541	10209	10884	12386	12761	12911	14662	---	12917
	118	541	992	705	489	438	451	509	448	197	0	4,888

Table 2.2.2.2

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	23500	33450	45700	45150	48000	68500	58950	---	72000	---	46800	- 75th %-tile
	---	22000	32500	35000	41500	43000	50000	46900	44500	70000	---	38000	- 50th %-tile
	---	20750	27000	28000	36300	31500	40000	37250	---	65000	---	30750	- 25th %-tile
	---	22100	30767	36480	40800	39786	53400	47700	44500	69000	---	40053	- Mean
	---	1475	5018	10376	4564	11492	17257	11909	---	3606	---	14533	- Std Dev
	0	5	9	5	6	7	5	4	1	3	0	45	- Count
Basic Research	24050	26000	30000	34525	34400	43650	36500	---	---	---	---	30000	
	21350	24000	26000	30600	31000	36850	31000	44500	41000	---	---	25400	
	17775	22000	24650	21500	26750	27475	23450	---	---	---	---	22100	
	20945	24290	27415	28590	31078	35775	30180	44500	41000	---	---	26474	
	4205	3214	5126	6717	4640	8027	7346	11314	5940	---	---	6378	
	22	63	41	10	9	8	5	2	2	0	0	162	
Applied R&D	24000	26575	31600	35000	40900	36000	40950	41800	52000	53000	---	31700	
	23000	24000	27500	30000	32050	32600	36000	26800	42500	42000	---	26700	
	21000	21500	24650	28000	27250	25125	31250	26700	33400	36900	---	23400	
	22769	24082	27715	31332	34525	31900	35642	31767	43771	44629	---	28002	
	3011	4041	4844	4460	9127	7723	6756	8689	11722	9237	---	7074	
	35	120	126	47	24	12	12	3	7	7	0	393	
General Mgt	30000	---	37000	41350	41000	39175	---	80000	---	---	---	40000	
	22000	37650	32000	34000	36800	35000	34100	54800	---	62000	---	34000	
	21600	---	27150	24500	32500	30000	---	51000	---	---	---	27725	
	24533	37650	32381	33422	36933	34717	34100	61933	---	62000	---	35702	
	4738	13223	5847	8902	4693	6905	9758	15761	---	---	---	11001	
	3	2	16	9	6	6	2	3	0	1	0	48	
Marketing	27000	28250	33100	38900	39000	44000	65000	49900	45100	---	---	36000	
	23800	22500	28000	34600	33000	38000	38200	33000	42000	70000	---	29000	
	18250	19650	24600	26100	26700	29000	36000	29000	20000	---	---	28500	
	22860	24193	28832	31667	33300	40686	46400	37300	35700	70000	---	31335	
	5718	6505	5730	9372	6727	15162	16146	11094	13644	---	---	10823	
	5	14	25	9	11	7	3	3	3	1	0	81	
Prod & QC	21300	25300	31000	32650	40000	40625	37000	32350	44650	37500	---	30000	
	19000	22500	27000	28600	36000	33250	28800	28100	36000	31500	---	25000	
	16300	19100	23000	24850	26700	26750	24200	23625	30600	26250	---	20450	
	19481	22388	26795	28497	33807	34538	31345	28025	37300	31750	---	25712	
	3907	4775	5911	6196	7845	8642	8577	4941	8526	5852	---	7029	
	31	107	103	33	15	8	11	4	5	4	0	321	
Forensic	23000	25500	30000	37025	35000	43325	---	---	---	---	---	30450	
	18700	23300	25300	31000	32650	28550	50000	38500	43150	---	---	24750	
	14400	20750	23000	27150	23475	22850	---	---	---	---	---	21000	
	19027	23014	26207	31563	31213	31575	50000	38500	43150	---	---	26371	
	4461	4013	5419	4950	7576	11569	---	7778	8273	---	---	7678	
	11	29	27	8	8	4	1	2	2	0	0	92	
Writing/ Editing	---	31200	30675	---	38750	52500	52000	52325	36750	55000	---	39000	
	---	25000	22200	33800	36850	38000	41500	47400	32300	35200	---	34300	
	---	22800	18000	---	33675	27600	24000	34375	29450	34000	---	27925	
	---	26333	23625	33800	36425	37486	39167	44700	32900	41400	---	35197	
	---	4356	6750	2546	2669	14735	14145	9798	4302	11793	---	10607	
	0	3	4	2	4	7	3	4	6	3	0	36	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	23300	---	---	---	35000	---	---	---	---	29150	
	---	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	23300	---	---	---	35000	---	---	---	---	29150	
	---	---	---	---	---	---	---	---	---	---	---	8273	
	0	0	1	0	0	0	1	0	0	0	0	2	
Consulting	29100	23750	---	---	---	---	---	---	---	---	---	27050	
	18000	20500	22000	---	37500	---	---	---	43500	---	---	22000	
	16000	17675	---	---	---	---	---	---	---	---	---	17950	
	21033	20650	22000	---	37500	---	---	---	43500	---	---	25192	
	7057	3110	---	---	17678	---	---	---	---	---	---	10346	
	3	6	1	0	2	0	0	0	1	0	0	13	
Other	22200	27000	33300	34375	42000	38475	---	71900	---	55000	---	33700	
	18000	24500	31060	28250	36000	31550	34000	42000	32400	45600	---	30000	
	14025	21200	28750	26050	30000	30000	---	33000	---	40100	---	24250	
	18075	24274	30535	29088	36000	35050	34000	48967	32400	46900	---	30016	
	4451	4445	4687	5190	6000	8944	11314	20364	3394	7535	---	9409	
	4	23	17	8	3	8	2	3	2	3	0	73	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	24000	26000	31525	35000	40000	41500	41750	52125	44800	60500	---	32325	
	21150	23500	27400	30000	34100	36000	36000	39900	37300	43800	---	26700	
	18000	20825	24000	26400	28300	28300	28350	32250	31700	34900	---	23000	
	21002	23572	27725	30686	34392	35612	37073	42414	38569	47423	---	28334	
	4190	4474	5502	6322	7543	10209	11897	14128	9067	14306	---	8805	
	114	372	370	131	88	67	45	28	29	22	0	1,266	

Table 2.2.3

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SUBORDINATES (Profs + Techs)	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
0	24000	26000	31000	35700	40700	43000	45000	50000	49700	55000	---	36000 - 75th %-tile
	21450	23000	27400	31500	34000	36100	40000	40250	40000	45900	---	28000 - 50th %-tile
	18225	20000	24000	26400	28700	30000	33000	33600	32900	34750	---	23500 - 25th %-tile
	21147	23261	27825	31623	35433	37365	39056	42296	40650	46303	---	30745 - Mean
	4239	5067	5550	7475	8516	10462	9532	12674	11391	15247	---	10653 - Std Dev
	154	583	615	299	165	136	135	162	157	74	0	2,480 - Count
1-2	25300	28000	32000	37500	42000	43550	49250	50800	50000	52000	---	40000
	21000	24450	28000	32000	36000	38500	40000	43250	43800	40000	---	33000
	18000	21500	25000	28850	31900	33000	36000	37000	35000	36000	---	26625
	21635	25014	28466	33425	37014	39107	42406	44911	44119	44235	---	34647
	4973	5300	5390	7534	8495	9568	13166	11881	11615	12447	---	11307
	40	182	347	193	145	137	109	116	124	51	0	1,444
3-7	24750	29125	34150	40000	43150	50000	52000	52000	52000	54625	---	45000
	22000	24750	30000	35000	38000	42500	45000	45000	43900	48400	---	37000
	18900	21500	25175	30000	33125	36000	40000	39000	40000	40000	---	30000
	22235	25363	30276	36416	38984	42801	46059	45708	46086	48459	---	38000
	5397	5899	6723	8333	9265	10106	10959	11011	10737	14066	---	11788
	26	118	268	218	152	138	132	142	107	46	0	1,347
8-12	32700	32000	35250	43350	45750	54675	58000	55850	60000	55750	---	50000
	23150	28300	32400	35750	40000	47350	48000	50000	52000	47000	---	41150
	20550	25000	27275	30000	36000	41250	40000	42500	44750	40125	---	33000
	27688	30230	32171	36889	41997	47473	48316	51967	53305	48305	---	42562
	11838	13352	7278	7669	9638	7483	11815	11492	11197	10799	---	12661
	8	23	78	56	60	44	55	54	38	20	0	436
13-17	30000	27500	37300	44375	62250	52600	60075	67700	56000	55000	---	52000
	21600	26100	35000	39150	43000	48000	47800	52100	54000	50000	---	42000
	18000	23000	30000	37000	38750	40000	43125	42500	43000	37950	---	36000
	23200	25420	33804	40406	47500	46500	51625	56538	51745	47180	---	44431
	6158	2415	5684	7941	12640	9148	10927	15841	9442	9392	---	13201
	3	5	27	32	18	13	20	21	11	5	0	155
18-22	---	47000	40000	42175	51750	52250	63000	59750	61500	72000	---	54500
	---	30000	31000	38300	45200	49500	57600	52750	52500	50000	---	45000
	---	23500	26600	33375	39250	40125	45250	44250	43900	41000	---	38300
	---	33500	32667	38436	46681	48813	55825	51406	53543	53371	---	46491
	---	12135	8804	7890	10149	11225	11598	10263	15625	14317	---	13468
	0	3	15	14	16	8	12	16	14	7	0	105
23-32	---	---	47500	43250	54000	62000	73000	63800	70000	70000	---	63000
	---	40000	37000	35900	41000	52000	56400	54000	55000	67000	---	49000
	---	---	35750	31450	35750	46000	43200	45000	45000	40000	---	41000
	---	40000	44233	39638	44278	53907	57187	55123	56664	55500	---	51040
	---	---	16521	13224	9536	8651	16337	10559	13867	23368	---	14878
	0	1	9	13	9	15	15	13	11	7	0	93
33-47	---	---	---	50000	72000	63500	62750	65000	70000	72100	---	63500
	19000	26450	40500	42500	53000	48000	56700	65000	62000	60000	---	50000
	---	---	---	30000	40750	39250	42625	43700	50000	42500	---	41000
	19000	26450	40500	41955	55833	50850	54525	57900	60143	57840	---	50779
	---	778	7778	10673	16857	11701	12285	12298	10156	15285	---	14451
	1	2	2	11	6	8	12	3	7	5	0	57
48-67	---	---	---	52000	70000	95000	64000	60000	---	---	---	65000
	---	---	---	50000	54000	63000	60000	50000	65000	68500	---	54000
	---	---	---	45900	50000	48000	52500	48000	---	---	---	50000
	---	---	---	49160	58000	68667	58600	52667	65000	68500	---	58426
	---	---	---	3167	10583	24007	6107	6429	21213	2121	---	12129
	0	0	0	5	3	3	5	3	2	2	0	23
68-99	---	---	70000	---	71400	70000	---	71000	92500	---	---	71850
	---	---	37100	---	62000	70000	82000	66500	77500	85000	---	70000
	---	---	31900	---	58900	59700	---	37000	28000	---	---	51475
	---	---	46333	---	64100	66567	82000	56500	66000	85000	---	62225
	---	---	20660	---	6509	5947	---	19818	36157	---	---	21098
	0	0	3	0	3	3	1	5	4	1	0	20
>=100	---	---	---	---	---	---	---	90250	71000	---	---	82500
	---	---	---	---	---	---	15000	82500	71000	72000	---	71000
	---	---	---	---	---	---	---	50000	55000	---	---	47500
	---	---	---	---	---	---	15000	74250	65667	72000	---	64556
	---	---	---	---	---	---	---	23358	9238	---	---	24234
	0	0	0	0	0	0	1	4	3	1	0	9
TOTAL	24150	27000	32600	39000	43000	49000	50000	54000	52250	56000	---	42000
	21450	23700	28500	33300	37600	40000	43100	44700	44000	46000	---	33000
	18300	20850	25000	29000	32000	34850	37800	38000	36725	38000	---	26000
	21596	24125	29057	34441	38753	41685	44741	46375	45531	47763	---	35435
	5033	5769	6431	8386	10016	11046	12579	12943	12869	14595	---	12725
	232	917	1,364	841	577	505	497	539	478	219	0	6,169

Table 2.2.4

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
TOTAL SUBORDINATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	23725	25500	31000	35500	40000	42000	44500	49225	48225	51750	---	35200	- 75th %-ile
	20700	22700	27000	31000	33550	36000	40000	40500	40000	42950	---	28000	- 50th %-ile
	17150	19800	23400	26050	27000	29250	32000	33375	30225	32350	---	23000	- 25th %-ile
	20547	22801	27308	31181	34444	36281	38414	41766	39638	43105	---	30058	- Mean
	4585	5150	5744	6786	9079	9780	9340	11737	11673	14906	---	10360	- Std Dev
	170	639	679	337	172	156	153	194	154	76	0	2,730	- Count
1-2	25300	27650	32000	37000	42000	43625	48000	50600	51500	54250	---	40000	
	21000	24000	28000	32000	36000	38250	40800	42000	45000	43050	---	32400	
	18000	21000	24800	28225	30900	32000	36000	36650	37000	37125	---	26000	
	21325	24269	28198	32837	36475	38689	41538	44257	45188	45870	---	34355	
	5444	5732	5388	7790	9058	10864	12931	12779	10830	13491	---	11673	
	44	197	377	222	162	158	119	133	129	54	0	1,595	
3-7	25000	27000	32800	39300	42000	48900	50000	52000	50000	54875	---	43000	
	22000	23000	28000	34000	37000	41000	43000	44300	42000	49850	---	35000	
	17350	19425	24000	29500	30000	35350	37500	37000	37000	37375	---	27000	
	21921	23710	28678	34783	36510	41499	43645	44878	43799	48111	---	35866	
	5475	7167	6746	7657	9101	9924	10828	12787	10973	16025	---	12061	
	29	182	328	240	187	156	155	150	125	56	0	1,608	
8-12	27875	30000	35000	40000	43050	51550	57750	55200	54500	57400	---	46700	
	23350	27000	30000	33900	37000	45000	48000	48250	43500	49000	---	38000	
	19450	23250	25000	28000	32400	39050	41000	42000	36000	38500	---	30000	
	28157	27727	30803	34864	38370	44322	49039	49806	44542	47697	---	39158	
	16389	11097	7286	8357	9816	8443	11045	11573	13096	12027	---	12472	
	14	41	120	99	82	72	61	54	59	29	0	631	
13-17	24675	28000	36000	43175	47500	51700	55100	55200	50625	48350	---	50225	
	21450	26000	32000	38150	40000	48000	48000	50650	54000	41000	---	40000	
	18750	21500	30000	30000	35500	40000	42000	40750	40725	39200	---	32000	
	21975	24692	33185	38692	42252	47096	49351	51793	53550	42938	---	42114	
	4521	4551	7299	11161	11382	9606	10558	14682	12856	4958	---	13434	
	8	13	46	50	29	27	39	30	22	8	0	272	
18-22	---	29250	41500	38700	48200	46000	61750	59250	52750	68625	---	50000	
	34400	24250	31500	34250	40000	39500	48650	47000	48500	50000	---	41000	
	---	20575	27500	29750	35000	32500	39500	41750	41700	44200	---	33000	
	34400	26825	33860	35122	42084	38785	51100	50911	48555	54210	---	42583	
	---	8837	9885	7322	10316	8859	15325	12801	11665	14069	---	13374	
	1	8	20	18	25	13	14	18	20	10	0	147	
23-32	---	---	36900	41750	48500	62475	68250	60000	65000	66500	---	55000	
	18200	31500	33000	37500	41000	52000	45000	53500	53200	53000	---	44750	
	---	---	26500	32350	35500	45750	40000	45000	40800	40250	---	36000	
	18200	31500	33963	38273	42181	54388	50688	51900	53463	52917	---	46287	
	1414	---	13537	9232	8344	10297	17714	9876	16957	12901	---	14773	
	2	1	24	26	21	26	24	23	19	12	0	178	
33-47	---	31500	46375	48000	67000	57400	65000	65000	68750	58600	---	58750	
	15000	27500	39500	37400	43500	48000	56200	54100	50500	44000	---	45000	
	---	27000	28400	29850	40000	42750	44000	42850	40000	38500	---	38050	
	15000	30100	37950	39476	51850	49800	56400	56935	53708	47640	---	48297	
	---	4868	9173	9895	17309	9634	13104	14674	14514	12540	---	15237	
	1	7	6	21	14	8	17	17	12	5	0	108	
48-67	---	33200	35250	53000	54000	62250	62250	54500	62000	69500	---	54000	
	21000	25900	30600	50000	42000	51500	54000	50000	52000	44000	---	47000	
	---	20450	26250	41000	40000	40500	46775	42000	34000	38750	---	36000	
	21000	26640	30963	47500	46736	55500	55450	48778	49333	50750	---	46293	
	---	7955	4556	12124	11834	18462	10512	8090	14189	17896	---	14701	
	1	5	8	7	11	8	12	9	3	4	0	68	
68-99	---	32000	55000	49000	64800	70000	82000	72000	77500	75000	---	68200	
	19000	30000	37100	45800	58900	59700	68000	66500	63000	60000	---	52000	
	---	21200	30250	30100	40000	41600	28000	49000	50500	54600	---	38550	
	19000	27733	41520	41889	54957	56471	59333	58271	63250	62729	---	52593	
	---	5746	16526	11727	13324	16480	28024	17083	14936	10241	---	17539	
	1	3	5	9	7	7	3	7	8	7	0	57	
>=100	---	---	28250	---	62000	53750	70250	83750	75500	78500	---	70250	
	---	40000	24000	48250	58500	48000	57000	65000	67000	70000	---	60000	
	---	---	17500	---	46300	35500	35850	41500	56500	35500	---	40000	
	---	40000	23100	48250	55600	46833	53133	65208	64000	59600	---	55909	
	---	---	5413	8132	8777	11250	22016	22111	19222	29022	---	21692	
	0	1	5	2	4	6	6	12	17	5	0	58	
TOTAL	24000	26500	32000	38400	42700	48000	50000	54000	52000	56000	---	42000	
	21000	23000	28000	33000	36800	40000	43000	44000	43750	46000	---	32500	
	17500	20000	24000	28000	31000	34000	37000	37000	36000	37500	---	25300	
	21265	23552	28488	33748	37559	41046	44037	45860	45049	47103	---	34862	
	6179	6106	6591	8273	10297	11217	12652	13432	13265	14898	---	12869	
	271	1,097	1,618	1,031	714	637	603	647	568	266	0	7,452	

Table 2.2.5

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS in PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Chemicals	25000	28000	33025	40000	44000	50000	50000	55000	54000	60875	---	45000 - 75th %-tile
	23000	25000	29250	35000	38000	41750	43000	45000	45000	53000	---	36000 - 50th %-tile
	19000	21500	25525	29425	33000	35600	38000	37600	39200	44750	---	28000 - 25th %-tile
	22800	25403	29652	35349	39350	43001	46301	47466	46695	53264	---	38258 - Mean
	5962	6907	6401	8867	10440	11249	13108	14185	12334	13333	---	13498 - Std Dev
	48	155	258	204	143	138	139	163	148	58	0	1,454 - Count
Agricultural chemicals	23700	26350	32750	36775	42175	46900	50000	58500	48750	61600	---	40775
	22600	25000	29500	31750	34000	40000	45000	44500	38500	40100	---	31950
	21200	22250	25900	24000	30375	35100	38350	39550	34250	33450	---	25725
	22250	24160	29665	32703	38614	41654	45858	48828	39500	47922	---	34770
	3820	4281	5823	6151	13010	8327	9117	13362	15353	18904	---	12871
	14	40	37	30	28	13	12	25	12	9	0	220
Coatings	24725	25425	33000	39125	45000	48000	53375	49500	51000	50650	---	42000
	22500	22000	29400	35000	36000	38000	47200	42000	41000	45000	---	33850
	20625	19950	26000	28900	31150	33700	40300	38500	35500	38750	---	26250
	22090	22816	29927	35643	38824	40044	47419	44453	44410	48044	---	35665
	4174	4583	5859	10003	11406	10282	9017	13028	14033	16008	---	12815
	20	70	102	70	37	39	36	45	49	18	0	486
Foods	25200	26475	33000	38750	42025	49500	47500	55050	57500	52700	---	41525
	19350	22550	26500	34000	34750	40000	40000	42000	48000	44500	---	32000
	15575	20075	23603	29250	29500	32500	31500	35350	37750	36750	---	25000
	20208	23203	28476	34114	35735	41228	39070	45228	48762	44850	---	34338
	4677	4773	9669	7191	10068	10949	14650	15559	15126	12504	---	13328
	12	40	80	37	34	29	30	29	21	8	0	320
Metals, minerals	26000	27850	32500	36700	40750	41800	49000	50500	51700	48500	---	42000
	20750	23450	28500	32000	37000	36750	45250	43000	44000	45250	---	33500
	15875	20000	24000	29000	29750	34150	41400	38500	35500	36375	---	27000
	20875	23745	28874	32997	35771	37207	45086	44824	44648	42700	---	35002
	5234	4868	6357	6614	6851	7532	7536	10509	12190	7099	---	10657
	4	22	57	31	24	14	14	25	21	10	0	222
Paper	---	28000	31750	33425	39000	45000	57500	53875	---	77000	---	42000
	---	26300	29900	30250	37000	38500	51000	46850	58000	52000	---	33450
	---	21600	27000	26150	31250	32500	45500	41875	---	45000	---	28000
	---	24857	29529	29580	35167	39589	51400	48117	58000	58000	---	36216
	---	3225	5001	5074	6501	7311	6348	6904	---	16823	---	11546
	0	7	17	10	6	9	5	6	1	3	0	64
Petroleum	34675	30000	35000	40675	52250	61500	62000	60000	64000	70000	---	50000
	30350	26000	31450	35450	43250	50000	50000	50000	51000	53400	---	36650
	24750	23000	26200	32050	39650	39350	41050	43900	43300	34800	---	29775
	29925	27311	31577	36942	45606	50788	52171	52304	54021	51346	---	40750
	5281	6126	6897	8842	9445	15904	15410	12192	14531	17667	---	15036
	4	45	64	38	16	25	21	25	29	13	0	280
Pharmaceuticals, personal care	23450	25400	30000	36000	43000	45000	49000	52750	52250	55250	---	38000
	21400	23000	27100	32000	38900	40000	42000	42900	44750	40000	---	30000
	19550	21000	25000	28000	34950	34000	39000	34000	36000	33750	---	24500
	21029	23159	27900	32369	40547	39782	43373	44640	45520	44900	---	32457
	3152	3569	5101	6689	10009	8744	10804	14366	11291	12993	---	11169
	45	195	243	139	94	73	59	53	46	21	0	968
Rubber	27600	31800	31775	40750	43600	46500	53000	55100	50000	60000	---	47125
	23000	22650	28300	37300	42000	39950	44500	47500	42000	44000	---	39400
	17875	19000	26150	28000	36500	35750	37500	37850	36000	36000	---	31625
	22883	24544	29296	35863	41015	42422	46009	47236	45706	45637	---	40087
	5160	8109	4776	9634	4786	8829	12143	10224	13717	16588	---	13225
	6	16	26	16	13	18	22	33	31	19	0	200
Biochemical products	---	27150	30000	39750	31500	---	---	---	---	---	---	32000
	18250	23100	24850	36300	29000	41000	45500	42000	39000	---	---	27150
	---	18000	22250	35000	22500	---	---	---	---	---	---	22000
	18250	23100	25114	36200	27778	41000	45500	42000	39000	---	---	28114
	2475	6299	4203	3925	4868	12728	20506	---	---	---	---	8812
	2	17	14	8	9	2	2	1	1	0	0	56
Electronics	26950	30100	33500	43050	47275	52000	50000	54000	51000	40750	---	42800
	26000	24600	30000	37400	40400	50000	40300	45000	45750	35600	---	33000
	22200	22400	25000	31125	33000	39000	30625	34575	35250	30500	---	26700
	25244	26326	30060	37250	40035	48100	39335	44472	43964	35620	---	35348
	4546	6727	6514	7908	9824	12671	13036	11405	13598	5628	---	11639
	9	43	53	30	20	19	20	18	14	5	0	231
Other manufactures	24000	28350	33000	39475	43000	47500	51825	52025	51000	53250	---	42300
	19200	24400	29000	33500	37500	40000	42500	45000	42500	46000	---	33500
	17100	21050	24950	30000	30500	32850	36000	37875	35000	38625	---	26300
	21031	25044	29360	34606	37911	39970	43795	45326	43309	46547	---	35352
	5000	6843	6542	8489	9073	10507	11688	10537	11771	12874	---	11647
	29	133	253	144	105	92	100	82	79	38	0	1,055
Non-Mfg	23800	26000	32350	39375	44750	45000	49500	53500	45000	51500	---	37500
	19000	21550	28600	32250	37500	39600	42500	42350	41000	40500	---	29700
	16000	18000	23000	27000	32050	32500	33000	35500	33775	26500	---	22000
	19479	22416	27954	33669	38148	39121	42132	44885	39608	40612	---	31045
	5327	5429	6437	9325	9138	11673	14967	12694	8922	16122	---	11661
	39	134	160	84	48	34	37	34	26	17	0	613
No Response	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24150	27000	32600	39000	43000	49000	50000	54000	52250	56000	---	42000
	21450	23700	28500	33300	37600	40000	43100	44700	44000	46000	---	33000
	18300	20850	25000	29000	32000	34850	37800	38000	36725	38000	---	26000
	21596	24125	29057	34441	38753	41685	44741	46375	45531	47763	---	35435
	5033	5769	6431	8386	10016	11046	12579	12943	12869	14595	---	12725
	232	917	1,364	341	577	505	497	519	478	219	0	6,169

Table 2.2.6

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS												
REGION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Pacific	29500	28000	35000	41000	44050	49000	55000	53500	55000	50000	---	42000	- 75th %-tile
	23000	24000	30000	33250	39000	41000	45000	42000	42000	41000	---	33600	- 50th %-tile
	18900	21350	25000	28600	32900	33000	38000	35950	38000	40000	---	26675	- 25th %-tile
	23606	24922	29940	35417	39622	40967	46807	44307	46943	46000	---	35909	- Mean
	6372	5152	6436	9593	9906	10343	13111	12220	15342	10431	---	12327	- Std Dev
	17	89	136	90	50	57	55	44	37	19	0	594	- Count
Mountain	22850	27650	33575	39550	42925	45250	47000	47000	53300	51000	---	39700	
	18600	22500	30000	33150	37500	41000	39500	40000	51600	36000	---	32000	
	14800	17750	28125	25750	31625	27750	37000	34700	42000	33500	---	25000	
	18750	23464	31252	32654	39256	40150	39771	40700	47914	40167	---	32972	
	4165	7383	7555	7655	10606	13819	17747	6876	9067	9465	---	11503	
	4	33	56	24	18	12	14	7	7	3	0	178	
W.N. Central	24425	25300	32900	39000	45000	48225	50000	60000	50000	76500	---	40000	
	22950	24000	29500	34000	37400	40450	44500	48000	43600	53000	---	32000	
	19225	21000	25500	29900	32000	32875	33000	36800	33400	32000	---	25275	
	21925	23843	29396	34367	38911	42588	42957	47915	43670	54609	---	34532	
	4795	4735	6095	7106	9830	11653	10571	14762	17586	21136	---	12604	
	12	63	105	66	35	24	28	27	23	11	0	394	
W.S. Central	25750	30000	34075	40400	45775	52000	50000	57250	60400	67500	---	45000	
	24000	25000	30000	36000	38500	43100	47800	47200	50000	47500	---	35000	
	19750	21400	25925	32000	30150	36000	36000	41900	42450	31300	---	27425	
	23857	25619	30023	37357	39235	44751	47061	50492	50753	49519	---	37437	
	6422	5995	5692	9698	10860	13142	11730	13725	13861	21307	---	13842	
	14	83	118	67	46	43	31	50	38	16	0	508	
E.N. Central	23850	26400	33000	38600	42050	48000	50000	52300	52900	55000	---	41275	
	21600	23500	29000	33150	36550	40000	43000	43900	43100	47700	---	32500	
	19100	20900	25000	28300	32000	33725	38000	37250	35000	38500	---	25500	
	21444	23689	29363	34218	37461	40539	43701	45644	44306	46538	---	34622	
	3279	4670	6435	8103	8762	10378	11890	12774	12341	14073	---	11951	
	57	221	344	192	130	128	98	125	116	45	0	1,456	
E.S. Central	27175	26200	31000	38650	40050	49900	55350	45000	55000	57900	---	41300	
	20150	23500	25050	33300	37000	40000	44000	42000	39800	49000	---	33400	
	17625	20050	22450	28000	33000	31800	40000	36500	35750	42000	---	25000	
	22250	22632	26500	33388	36347	40695	47335	42435	43806	49200	---	34447	
	6344	4644	6284	7893	5659	12313	10176	9073	11809	9099	---	11840	
	6	25	46	33	17	20	17	17	18	6	0	205	
Mid-Atlantic	24000	27300	32000	37450	45000	50000	50250	53700	53750	54500	---	43000	
	22050	24000	28000	33000	39900	40000	41150	45000	45000	44000	---	34000	
	19050	21500	25000	28000	34200	34400	36000	37200	38050	35000	---	26300	
	21740	24786	28808	33609	40708	41725	43891	46042	45810	45354	---	35908	
	4114	7146	6912	8190	10791	11316	12764	12724	12230	12139	---	12865	
	60	235	304	209	147	124	146	147	144	63	0	1,579	
So. Atlantic	22300	26525	31600	37625	41000	49250	53375	55000	50000	63500	---	42500	
	17250	22750	27000	32000	36000	41000	44000	50000	43000	51000	---	33000	
	15125	19500	23600	29000	30000	35000	38100	36750	37000	41625	---	25600	
	19968	22896	27777	33367	36423	42448	45941	46481	44687	52555	---	35185	
	8170	4963	5886	7668	8718	9775	13354	12151	11684	14045	---	12848	
	28	82	147	86	84	54	64	57	53	20	0	675	
New England	24125	25750	31200	40000	42500	51000	52000	56000	45750	62500	---	43500	
	19750	23000	27000	34500	37500	41800	46400	43700	43750	49000	---	32800	
	18775	19250	23775	30000	31500	34500	39000	40000	36325	39300	---	25000	
	20906	23434	27693	35705	39400	42854	46979	48998	42132	50967	---	35698	
	3906	5254	5497	8336	13465	12003	12116	14462	9467	15445	---	14181	
	32	73	88	60	35	28	29	55	28	33	0	461	
No Response	---	24250	31650	43400	48000	46000	49000	45800	57000	48800	---	44400	
	24300	21100	30000	37400	42000	40000	41000	40000	51000	24000	---	35800	
	---	18500	25125	27425	30600	35000	38000	30000	37500	20000	---	26200	
	24300	22123	29255	36743	39777	41233	43033	40390	48971	30933	---	36967	
	424	3553	5581	9874	8828	8554	12468	12307	15998	15602	---	12646	
	2	13	20	14	13	15	15	10	14	3	0	119	
TOTAL	24150	27000	32600	39000	43000	49000	50000	54000	52250	56000	---	42000	
	21450	23700	28500	33300	37600	40000	43100	44700	44000	46000	---	33000	
	18300	20850	25000	29000	32000	34850	37800	38000	36725	38000	---	26000	
	21596	24125	29057	34441	38753	41685	44741	46375	45531	47763	---	35435	
	5033	5769	6431	8386	10016	11046	12579	12943	12869	14595	---	12725	
	232	917	1,364	841	577	505	497	539	478	219	0	6,169	

table 2.3.1

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS in PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	---	34750	31800	38400	51000	52250	49000	47175	66800	70450	---	42000	- 75th %-tile
	---	29200	28800	32000	35000	39500	41000	41500	46100	53400	---	34000	- 50th %-tile
	---	25250	25700	29800	31300	37250	35000	32250	35000	37625	---	29000	- 25th %-tile
	---	29840	28760	33511	39437	46067	41900	41117	50909	53825	---	37410	- Mean
	---	5268	5327	7263	11151	12673	7284	9396	23403	17175	---	13245	- Std Dev
	0	5	35	19	19	12	8	6	11	4	0	119	- Count
General	---	---	39000	45000	46000	55000	60400	67000	54600	75000	---	49000	
chemistry	---	31500	34600	32000	40300	41000	49000	47900	46000	51000	---	40000	
	---	---	27200	27200	28225	30600	42000	45000	40000	44000	---	30000	
	---	31500	32422	35519	39661	41656	51731	52480	45647	58057	---	41639	
	---	---	8242	10843	12397	13641	15318	17777	9332	21407	---	14721	
	0	1	32	21	18	25	13	15	15	7	0	147	
Analytical	---	27625	33000	38000	45000	49000	53000	54000	52700	53500	---	44600	
chemistry	---	26000	29750	34100	39000	43250	45000	45000	45000	43800	39800	36000	
	---	24200	26200	30000	34000	34200	38500	39000	37000	38000	---	30000	
	---	25947	29730	34393	39391	41934	45784	47184	46376	46135	39800	37937	
	---	3509	5306	6645	8373	10843	10467	12612	13111	15732	13659	10926	
	0	30	230	251	208	144	79	99	63	23	2	1,129	
Inorganic	---	30000	34000	39450	46750	58100	51000	64000	64000	55000	---	50100	
chemistry	---	29500	30500	36250	39000	50000	43000	55500	52400	43000	27600	40000	
	---	22000	27500	30500	33950	38500	36750	47975	44900	33750	---	31500	
	---	27167	30063	36870	41179	49133	46067	56025	54711	45370	27600	42644	
	---	4481	5102	7501	8422	11459	12902	9069	14495	15867	---	13772	
	0	3	27	20	14	9	18	12	19	10	1	133	
Organic	---	27800	33000	39900	42000	51000	57950	56000	60000	66625	---	49000	
chemistry	---	25200	28800	34000	38000	41100	47150	46000	49400	51500	35000	39000	
	---	24000	26500	30000	34600	37350	40000	39900	40000	44625	---	31000	
	---	25571	29829	35070	39635	43767	48627	48516	52011	56050	35000	41438	
	---	2551	5867	8060	9854	11166	12726	12881	17141	16739	---	14160	
	0	21	87	104	75	61	52	67	79	22	1	569	
Polymer	---	30000	37050	42000	49000	52200	53950	56000	55375	61000	---	50000	
chemistry	60500	28250	32800	38700	41000	45000	47500	50000	49050	50000	48000	41000	
	---	26000	30000	33300	35000	39000	40000	44000	40250	41000	---	34000	
	60500	29025	33713	38480	41792	47207	48403	50215	48125	50791	48000	42772	
	---	5735	5457	7590	9882	11256	11722	10924	11780	16469	---	11962	
	1	28	130	121	99	69	80	87	76	43	1	735	
Pharmaceutical	---	29000	33600	38500	47000	53750	54750	50000	52500	57000	---	44000	
chemistry	---	26900	29900	34000	39000	42000	43200	44150	48000	50000	30000	36000	
	---	25500	26500	30150	33000	36700	30000	40000	40200	38500	---	30000	
	---	26545	30262	35342	40911	45652	41617	46457	49173	48056	30000	38055	
	---	2936	5955	7093	13745	9859	14900	10724	11790	9632	---	11611	
	0	11	55	53	35	25	12	14	15	9	1	230	
Medicinal/	---	28000	31375	38975	40775	45000	51750	51500	70250	59750	---	44903	
clinical	---	24000	28250	34600	36600	41300	43050	49000	51500	53000	37000	37000	
chemistry	---	20750	24750	28875	32750	37400	38950	42375	42500	30500	---	30000	
	---	24250	29750	35150	37213	41077	44767	46917	56825	47750	37000	38385	
	---	3775	8287	7855	6576	4783	11759	6666	19221	17037	---	11656	
	0	4	22	20	30	13	12	6	8	4	1	120	
Theoretical	---	---	---	---	---	---	---	---	---	---	---	---	
chemistry	---	---	40000	---	---	---	44600	---	---	---	---	42300	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	40000	---	---	---	44600	---	---	---	---	42300	
	---	---	---	---	---	---	---	---	---	---	---	3253	
	0	0	1	0	0	0	1	0	0	0	0	2	
Environmental	---	27800	31975	40000	52000	52550	56875	49700	52850	57500	---	47000	
chemistry	---	25188	28350	34080	40000	44000	45650	45000	49550	44050	---	38000	
	---	22250	25000	30125	35000	32000	37000	37000	42375	36725	---	30375	
	---	25200	28075	35630	41966	43296	44933	45324	50008	50583	---	39719	
	---	2910	6695	8260	12279	12501	12067	10513	12487	19382	---	13159	
	0	8	44	56	50	25	12	17	26	12	0	250	
Agricultural/	---	31000	34000	39700	43250	51225	56500	50750	60750	78425	---	48075	
food chemistry	---	27000	30200	35000	37600	46500	48050	46000	43600	61000	23100	38800	
	---	24000	27300	28800	32375	39750	39750	38150	36000	54000	---	31050	
	---	26000	32196	34567	38377	46917	48150	48463	51450	62650	23100	41598	
	---	4546	8022	6846	10122	9648	14916	14726	21491	15864	---	14947	
	0	7	23	33	22	18	18	18	20	6	1	164	
Physical	---	31000	36375	42125	50300	60500	61500	60825	72500	76000	---	52000	
chemistry	---	29000	31700	37000	40600	50000	41500	52000	50000	60000	---	39700	
	---	23000	26575	32000	33625	38000	37275	46850	43700	52150	---	32000	
	---	27657	32767	37871	43200	49931	47683	53700	56871	63260	---	43570	
	---	4142	6903	7340	15186	14899	15749	11440	17081	12788	---	15122	
	0	7	24	28	8	13	8	10	17	5	0	118	
Other	---	32700	40000	42500	52750	52300	57600	57000	50000	69000	---	50000	
chemistry	---	29000	33900	36000	44100	37000	50000	50000	45000	57000	---	40000	
	---	26500	30000	31100	36250	31000	45000	47500	39600	19000	---	33000	
	---	30414	34841	37469	44545	40295	51074	52661	43865	48333	---	42081	
	---	4259	8189	8934	8701	10763	9398	14429	9512	26102	---	11963	
	0	7	34	35	20	19	19	23	23	3	0	183	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	29200	34500	40000	46000	50850	54000	55000	56075	60900	45250	47500	
	60500	26700	30150	35000	39200	43000	46000	48000	48500	50000	32500	3800	
	---	25000	27000	30000	34075	36550	40000	40000	40000	40000	28200	31000	
	60500	27041	30883	35664	40419	43924	47267	48986	49649	51495	35038	40300	
	---	4326	6337	7613	9961	11354	12024	12456	14912	16726	9506	12689	
	1	132	744	761	598	433	330	372	372	148	8	3,899	

Table 2.3.1.1

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

SPECIALTY	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	---	37000	32100	40000	45500	60000	50000	53525	72100	70450	---	46075	- 75th %-tile
	---	32500	29400	35000	34800	50000	42000	43000	47050	53400	---	35[illegible]10	- 50th %-tile
	---	27500	26750	32000	29500	39000	35000	41250	37325	37625	---	30[illegible]00	- 25th %-tile
	---	32333	29504	36064	38015	51000	42886	45925	54200	53825	---	39568	- Mean
	---	4752	5753	7997	11525	14583	7268	7291	21822	17175	---	14294	- Std Dev
	0	3	25	11	13	7	7	4	10	4	0	84	- Count
General chemistry	---	---	39000	48425	46000	55000	63500	67000	52750	75000	---	49700	
	---	---	35800	32000	43000	42000	56500	47900	46000	54000	---	41000	
	---	---	24500	28225	36800	34050	45200	45000	38550	44000	---	32000	
	---	---	32562	37117	42327	43870	56290	52480	45415	58057	---	43[illegible]53	
	---	---	8620	10748	11736	12415	13036	17777	9661	21407	---	14[illegible]21	
	0	0	29	18	15	20	10	15	13	7	0	127	
Analytical chemistry	---	26950	34000	38000	45000	50250	53250	55000	54000	53125	---	45000	
	---	26000	30000	34500	40000	44350	45650	45600	45000	45400	49600	37000	
	---	24750	27000	30000	34875	36525	38700	39000	37000	39250	---	31000	
	---	25541	30130	34651	39787	43511	46239	47773	46517	47585	49600	38989	
	---	2492	5477	6647	8319	10279	9926	12741	13436	15205	---	11062	
	0	17	166	203	178	118	66	91	59	20	1	919	
Inorganic chemistry	---	---	34750	41125	48500	58000	54000	65750	62000	55000	---	51350	
	---	26000	31400	36250	40000	50000	43000	52500	52400	43000	27600	41000	
	---	---	26500	30375	33900	35000	40000	46725	45700	33750	---	34000	
	---	26000	31169	37089	41538	48857	47867	55610	54059	45370	27600	43806	
	---	5657	5313	7752	8654	12362	13314	9929	13540	15867	---	13549	
	0	2	16	18	13	7	15	10	17	10	1	109	
Organic chemistry	---	27950	33300	40000	42675	53000	59550	56375	60000	66625	---	50000	
	---	25000	28700	34600	39150	45000	49850	46000	49700	51500	35000	40000	
	---	23900	26200	29000	35000	38000	40000	39975	40000	44625	---	33000	
	---	25300	29591	35105	40735	45467	50163	49126	52137	56050	35000	43039	
	---	2697	6475	7662	10065	10914	12653	12596	17169	16739	---	14499	
	0	13	57	83	62	51	48	62	76	22	1	473	
Polymer chemistry	---	31000	37350	42000	49750	52200	53950	56000	55500	63000	---	50450	
	60500	29700	33000	39000	41500	45300	48500	50000	49100	50000	48000	42000	
	---	27500	30000	34000	35000	39400	42000	43800	40000	41000	---	35000	
	60500	29338	33877	38831	41988	47351	48739	50188	48127	50791	48000	43630	
	---	3887	5612	7646	10033	11260	11699	10985	11859	16469	---	11979	
	1	13	101	108	92	65	72	86	75	43	1	657	
Pharmaceutical chemistry	---	28000	31975	38000	45450	53000	58000	50000	53250	58000	---	44675	
	---	26300	28250	34000	39000	42000	43400	43200	50000	55000	---	36000	
	---	25750	24750	30000	32500	37525	30000	40000	44150	40000	---	30000	
	---	26760	28800	35063	41180	45820	43156	46508	50754	50857	---	38863	
	---	1365	5675	7209	13616	9815	16050	11630	11899	9026	---	12706	
	0	5	34	43	25	20	9	12	13	7	0	168	
Medicinal/ clinical chemistry	---	25000	30300	39150	43575	45500	58000	52000	80000	59750	---	45500	
	---	23000	28000	35600	38350	42900	49100	50000	55500	53000	37000	38000	
	---	20000	26150	30000	33000	38500	41250	39750	44650	30500	---	30800	
	---	22667	28408	35614	38568	42367	50088	46700	60933	47750	37000	39924	
	---	2517	2843	6886	6646	3986	9661	7430	20768	17037	---	12253	
	0	3	13	14	22	9	8	5	6	4	1	85	
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	40000	---	---	---	---	---	---	---	---	40000	
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	---	---	40000	---	---	---	---	---	---	---	---	40000	
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	0	0	1	0	0	0	0	0	0	0	0	1	
Environmental chemistry	---	28400	31500	40500	51000	53125	57750	49850	56050	57500	---	48125	
	---	25000	30000	34000	40000	44000	52750	45500	49900	44050	---	39000	
	---	22000	25000	29000	35050	31000	45475	36000	44375	36725	---	31475	
	---	25200	28848	35806	43900	43809	51650	45656	51586	50583	---	40982	
	---	3143	6105	8596	11825	12860	6460	10765	12322	19382	---	13158	
	0	7	[illegible]	51	45	22	8	16	22	12	0	210	
Agricultural/ food chemistry	---	31000	36250	40000	48000	54900	57000	51000	60750	78425	---	50000	
	---	29000	30250	35900	36700	47800	48000	47000	43600	61000	23100	40000	
	---	24750	28125	27300	32500	40000	39500	38600	36000	54000	---	32000	
	---	28250	33956	34785	39787	48067	48041	49820	51450	62650	23100	43485	
	---	3403	8551	7385	10972	10164	15367	14168	21491	15864	---	15444	
	0	4	16	26	15	15	17	15	20	6	1	135	
Physical chemistry	---	31000	39300	43800	52400	66250	61500	60825	71500	76000	---	52850	
	---	29500	33000	37400	41200	51500	41500	52000	50000	68000	---	41600	
	---	26900	25750	32000	38500	45500	37275	46850	43100	52150	---	32325	
	---	28433	33629	38490	44800	54000	47683	53700	55663	63260	---	45065	
	---	3940	7849	8049	15657	14373	15749	11440	16875	12788	---	15317	
	0	6	17	21	7	8	6	10	16	5	0	96	
Other chemistry	---	31775	38500	43375	50000	52300	57600	59000	51000	---	---	50150	
	---	27750	33900	38750	43000	42000	50000	51000	46000	63000	---	42150	
	---	26125	29750	33750	35500	36100	45000	46600	40000	---	---	35000	
	---	28550	34719	38705	43524	42527	51074	52873	45229	63000	---	43649	
	---	3062	8915	7804	8873	9233	9398	14732	8184	8485	---	11892	
	0	4	26	22	17	11	19	22	21	2	0	144	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	29100	35000	40000	46000	52000	55600	55850	57000	62000	48400	49000	
	60500	26500	30700	35000	40000	44900	48000	48000	49000	50000	36000	39850	
	---	25000	27125	30450	35000	37500	40000	40000	40000	41000	26475	32000	
	60500	26877	31204	36036	40959	45296	48499	49443	49993	52228	36717	41607	
	---	3634	6490	7614	9890	11011	11769	12440	14860	16465	10629	12890	
	1	77	528	618	504	353	283	348	348	142	6	3,208	

Table 2.3.1.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	29750	31775	53750	42900	---	---	---	---	---	37000 - 75th %-tile
	---	29200	26700	30000	38500	38000	35000	31500	18000	---	---	31550 - 50th %-tile
	---	---	23750	25825	34025	36000	---	---	---	---	---	26750 - 25th %-tile
	---	29200	26900	30000	42517	39160	35000	31500	18000	---	---	32503 - Mean
	---	---	3678	4467	10593	4520	---	2121	---	---	---	8395 - Std Dev
	0	1	10	8	6	5	1	2	1	0	0	34 - Count
General chemistry	---	---	34200	32500	30000	48000	46000	---	---	---	---	40825
	---	31500	31000	23500	28000	30000	43000	---	47150	---	---	30500
	---	---	28000	21800	21000	19000	29600	---	---	---	---	24125
	---	31500	31067	25933	26333	32800	36533	---	47150	---	---	32470
	---	---	3101	5750	4726	16177	13880	---	9687	---	---	11204
	0	1	3	3	3	5	3	0	2	0	0	20
Analytical chemistry	---	31000	31450	37000	42050	44575	50650	48500	50000	55800	---	38100
	---	26000	28000	33000	36350	33300	41000	40750	46500	36000	30000	32000
	---	22800	26000	29000	31000	26050	34150	36250	36400	17600	---	27000
	---	26477	28692	33477	37043	34777	43469	40488	44300	36467	30000	33373
	---	4576	4719	6553	8447	10634	13095	9150	7498	19104	---	8985
	0	13	64	47	30	26	13	8	4	3	1	209
Inorganic chemistry	---	---	30500	---	---	---	43200	---	---	---	---	41625
	---	29500	28300	34900	30000	33333	31000	58000	60250	---	---	33500
	---	---	25550	---	---	---	34000	---	---	---	---	28625
	---	29500	28455	34900	36500	50100	37067	58000	60250	---	---	37363
	---	---	4531	6223	---	11455	5312	2828	27931	---	---	13818
	0	1	11	2	1	2	3	2	2	0	0	24
Organic chemistry	---	27900	32150	36000	40000	41700	41625	54000	68500	---	---	37425
	---	25350	30000	32400	33300	38200	36500	47400	49000	---	---	31450
	---	25050	27075	30000	30400	27475	32350	24700	29000	---	---	28050
	---	26013	30260	34933	34385	35100	36850	40960	48833	---	---	33547
	---	2401	4562	9689	6903	8342	4782	15525	19751	---	---	8866
	0	8	30	21	13	10	6	5	3	0	0	96
Polymer chemistry	---	29400	36100	41000	45000	58025	53750	---	---	---	---	40000
	---	27000	32200	34000	39000	39650	40000	52500	---	---	---	34000
	---	25500	30000	29700	36000	36950	36000	---	---	---	---	29100
	---	28753	33141	35569	39214	44875	45375	52500	---	---	---	35381
	---	7093	4926	6676	7756	12538	12282	---	---	---	---	9014
	0	15	29	13	7	4	8	1	0	0	0	77
Pharmaceutical chemistry	---	29125	37750	42200	50475	56750	45000	---	---	---	---	41675
	---	27800	31600	37000	40000	40200	43000	44300	38900	38250	30000	34750
	---	23575	28250	30200	31250	35600	23000	---	---	---	---	28775
	---	26367	32629	36600	40240	44980	37000	44300	38900	38250	30000	35662
	---	3959	5755	7204	14786	11174	12166	---	1838	2475	---	9601
	0	6	21	9	10	5	3	1	2	2	1	60
Medicinal/ clinical chemistry	---	---	40125	42475	36000	45000	40875	---	---	---	---	40875
	---	29000	27500	31050	32000	38900	35250	48000	44500	---	---	34250
	---	---	22300	26500	29400	37800	26250	---	---	---	---	27525
	---	29000	32088	34067	32557	40567	34125	48000	44500	---	---	34788
	---	---	13505	10448	4598	3879	7920	---	4950	---	---	9482
	0	1	8	6	7	3	4	1	2	0	0	32
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	44600	---	---	---	---	44600
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	44600	---	---	---	---	44600
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	1	0	0	0	0	1
Environmental chemistry	---	---	35350	36850	62850	50000	39000	---	51325	---	---	37575
	---	25200	28000	32000	38000	40000	33000	40000	41150	---	---	32000
	---	---	20500	31750	29550	28600	22500	---	31500	---	---	26950
	---	25200	26847	33840	44560	39533	31500	40000	41325	---	---	33088
	---	---	7568	3147	17559	10708	8699	---	10855	---	---	11138
	0	1	17	5	5	3	4	1	4	0	0	40
Agricultural/ food chemistry	---	27000	33500	36100	41000	44500	---	---	---	---	---	39050
	---	24000	27200	34900	38500	40000	50000	28100	---	---	---	34100
	---	18000	24000	31200	32000	39000	---	---	---	---	---	26000
	---	23000	28171	33757	35357	41167	50000	28100	---	---	---	32814
	---	4583	5098	4666	7877	2930	---	---	---	---	---	7875
	0	3	7	7	7	3	1	1	0	0	0	29
Physical chemistry	---	---	34000	39900	---	61150	---	---	---	---	---	38450
	---	23000	31000	36000	32000	39300	---	---	76200	---	---	32000
	---	---	28300	31800	---	29375	---	---	---	---	---	30500
	---	23000	30671	36014	32000	43275	---	---	76200	---	---	36719
	---	---	3342	4598	---	17058	---	---	---	---	---	12782
	0	1	7	7	1	4	0	0	1	0	0	21
Other chemistry	---	38000	40750	43000	54000	51400	---	---	---	---	---	42125
	---	32500	34950	33800	53000	34000	---	48000	29550	---	---	34000
	---	28200	32000	28000	44000	26900	---	---	---	---	---	29750
	---	32900	35238	35377	50333	37225	---	48000	29550	---	---	36747
	---	4912	5658	10586	5508	12550	---	---	14213	---	---	10207
	0	3	8	13	3	8	0	1	2	0	0	38
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	29425	33500	37350	42000	44350	44400	50000	50000	47900	---	39200
	---	26950	29900	33000	36000	38000	40000	44300	41000	36500	30000	32200
	---	25000	26200	30333	31000	29875	33000	33000	34200	26800	---	28000
	---	27350	30107	34101	37495	37876	39853	42113	44517	37180	30000	34231
	---	5185	5901	7433	9845	11012	10924	11085	15418	13600	0	9616
	0	54	215	141	93	78	47	23	23	5	2	601

Table 2.3.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS in PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	48525	41000	46250	55000	60000	65000	67475	64000	61800	---	60000	- 75th %-tile
	60500	33500	36650	40000	45650	51500	54000	56000	54000	58000	35000	50000	- 50th %-tile
	---	28000	31000	35000	37925	45000	45000	49375	48000	50250	---	40000	- 25th %-tile
	60500	36675	35625	40861	46536	51403	54732	57874	56588	58192	35000	50621	- Mean
	---	11300	7969	8167	10903	12245	11943	12239	15619	10859	---	13743	- Std Dev
	1	4	32	61	70	58	63	74	67	24	1	455	- Count
Basic Research	---	27850	32000	37000	41000	44600	51500	50225	63500	59500	---	40000	
	---	26000	28500	32800	37000	38000	44600	46000	48750	51500	---	33750	
	---	24250	26350	29750	33000	32800	39750	42800	42125	39125	---	28000	
	---	25883	29455	33574	37324	38374	46241	46200	52572	51110	---	35630	
	---	2734	4839	5866	5948	8380	8341	7887	12955	14004	---	9880	
	0	24	101	85	50	35	17	20	18	10	0	360	
Applied R&D	---	29500	34000	39000	42725	48450	49525	52000	52000	54325	39750	44800	
	---	27000	30000	34500	38500	40500	42350	45000	46000	44750	30000	26000	
	---	25000	27000	30000	34000	36000	37850	40000	37300	35250	26475	30000	
	---	27151	30651	34686	38642	42447	43020	45972	46135	45119	32617	37876	
	---	3577	5662	6288	7279	9756	8379	9891	11998	15192	8778	10226	
	0	63	315	288	204	146	100	138	133	48	6	1,441	
General Mgt	---	---	37500	44200	54400	56000	70000	58300	66250	80000	---	56900	
	---	28250	32450	38500	45000	50000	58000	50000	50700	52500	---	48000	
	---	---	28850	34000	39000	44250	49500	44800	47500	45500	---	39000	
	---	28250	34375	40110	47410	51827	58948	51988	56182	59550	---	49623	
	---	6010	7485	9278	12479	11904	13073	12961	15325	22603	---	15082	
	0	2	20	42	59	37	29	33	38	20	0	280	
Marketing	---	33500	37225	45000	46500	54250	52500	64500	57000	65500	---	50000	
	---	27000	32550	38500	40500	47250	45500	51000	50000	50000	---	40000	
	---	22000	29200	31325	35000	40800	40000	41250	37000	39500	---	33625	
	---	27600	33873	38979	42302	46378	46294	53546	49317	52218	---	42748	
	---	6025	7471	9290	10178	10491	11224	17114	15614	17645	---	13030	
	0	5	60	72	49	36	34	24	35	17	0	332	
Prod & QC	---	29700	34125	37400	44475	45000	50000	50600	47150	68250	---	42450	
	---	25300	30000	34000	37000	39800	44000	42000	41500	45000	49600	35000	
	---	21500	26000	29000	30525	33600	32750	37000	32875	39500	---	29650	
	---	25653	30126	34249	37312	39292	42283	43162	43447	52731	49600	36673	
	---	4067	6040	7534	8915	9436	11731	11889	13894	17164	---	10809	
	0	15	110	107	78	59	42	39	34	13	1	498	
Forensic	---	26775	32000	36000	41975	46500	56000	53875	59250	---	---	42100	
	---	26250	27500	32000	35100	40700	48000	46000	46000	41400	---	32900	
	---	23025	24000	29500	29900	26550	37650	42850	26500	---	---	27500	
	---	25350	27719	33069	35260	37290	46900	47370	43833	41400	---	34973	
	---	2258	5942	6113	8528	10949	10721	5790	15303	3394	---	9859	
	0	4	27	42	20	10	8	10	6	2	0	129	
Writing/ Editing	---	---	29000	41800	42000	41300	45300	50000	59500	---	---	44250	
	---	28200	28000	29200	33400	39300	42000	48000	46500	38500	---	39160	
	---	---	19125	23400	28000	31000	33000	40800	37475	---	---	29150	
	---	28200	25375	32557	33100	39257	40091	45920	47883	38500	---	37619	
	---	---	5991	10108	11017	8528	6192	4820	13577	2121	---	10578	
	0	1	4	7	11	7	11	5	6	2	0	54	
Data Processing	---	---	39250	---	54250	---	---	---	---	---	---	52000	
	---	---	34000	38000	51000	36500	42500	58000	52000	---	---	40000	
	---	---	31950	---	47000	---	---	---	---	---	---	33500	
	---	---	35280	38000	50750	36500	42500	58000	52000	---	---	42553	
	---	---	3920	0	3775	4950	31820	---	---	---	---	11503	
	0	0	5	2	4	2	2	1	1	0	0	17	
Consulting	---	25750	43200	39000	44500	43975	60000	71250	58850	---	---	48250	
	---	24000	35850	34000	37500	39000	56000	58000	48500	62500	---	38750	
	---	22250	27500	30000	34125	31500	44000	46000	28500	---	---	30750	
	---	24000	36730	35311	38921	39750	52971	58167	44800	62500	---	41029	
	---	1826	10479	8891	7117	11454	8142	13152	15389	3536	---	12877	
	0	4	10	19	14	8	7	6	8	2	0	78	
Other	---	29950	37500	41950	50250	53500	55000	44500	49500	56250	---	45950	
	---	26000	30900	37000	39250	40000	40000	36250	46500	46000	---	38000	
	---	25500	25750	32000	34100	37000	31000	34250	40000	38450	---	32000	
	---	27380	30920	38124	40850	43487	43933	39431	49120	47267	---	39867	
	---	2606	7402	7608	14024	12213	13998	8138	15995	16674	---	12689	
	0	5	25	17	20	23	9	16	15	6	0	136	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	29000	34650	40000	46000	50850	55000	55000	56000	60900	45250	47975	
	60500	26500	30300	35000	39400	43500	46000	48000	48500	50000	32500	38400	
	---	25000	27000	30000	34200	36450	40000	40000	40000	40000	28200	31000	
	60500	26931	30988	35719	40451	43862	47401	49115	49611	51431	35038	40391	
	---	4273	6368	7618	9929	11325	12095	12469	14626	16769	9506	12663	
	1	127	709	742	579	421	322	366	361	144	8	3,780	

Table 2.3.2.1

SALARIES of FULL-TIME EMPLOYED U.S. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	36000	41000	46125	55000	60000	64750	68000	65000	61800	---	60000 - 75th %-tile
	60500	31000	36300	40000	46000	52200	54000	56350	55000	58000	35000	50000 - 50th %-tile
	---	27000	32400	35000	38000	46250	45800	49875	49675	50250	---	41000 - 25th %-tile
	60500	31333	35839	41135	47074	52852	54932	58196	57692	58192	35000	51528 - Mean
	---	4509	8569	7743	10769	10723	11164	12458	15314	10859	---	13497 - Std Dev
	1	3	23	54	62	48	57	70	62	24	1	405 - Count
Basic Research	---	27300	32050	36350	41300	45000	54900	50975	60000	63000	---	41600
	---	25850	28800	32000	37000	38500	46300	46000	48750	52000	---	34500
	---	23250	27000	28250	34800	33900	40800	41300	43875	44000	---	28600
	---	25192	29748	32718	38048	39162	47769	46094	51613	52733	---	36545
	---	2751	4821	5112	5069	8489	8978	8274	11373	13820	---	10202
	0	12	66	62	33	26	13	18	16	9	0	255
Applied R&D	---	30000	34025	39300	43625	50000	50000	52000	52250	54325	45250	45000
	---	28000	30200	35000	38850	42300	43200	45000	46300	46000	32300	38000
	---	25000	27000	30000	34000	36700	38750	40000	37000	36000	24225	31800
	---	27303	30881	35127	39044	43611	43947	46414	46147	46302	33925	39088
	---	3082	5831	6411	7227	9442	8063	9591	11963	14586	11026	10338
	0	35	218	230	178	123	86	132	125	44	4	1,175
General Mgt	---	---	40525	44000	54200	59000	70000	59150	70000	80000	---	58300
	---	---	33000	38000	45000	50000	58000	50000	51000	52500	---	49000
	---	---	31000	33400	39500	46200	53000	44400	48300	45500	---	40000
	---	---	35829	39181	47425	53342	60500	52113	57734	59550	---	50774
	---	---	8275	8347	12248	11619	11952	13148	14789	22603	---	15058
	0	0	14	36	53	31	27	32	35	20	0	248
Marketing	---	35000	38000	45000	47000	55750	51325	65000	57000	65500	---	50000
	---	24000	33750	38800	41000	47750	45500	51000	50000	50000	---	41000
	---	20000	28875	31075	37000	41125	40000	40000	37000	39500	---	35000
	---	26333	33891	39273	42986	47500	46133	53657	49317	52218	---	43493
	---	7767	7176	9408	10097	9944	11634	17490	15614	17645	---	13216
	0	3	46	66	43	32	30	23	35	17	0	295
Prod & QC	---	29775	34725	37450	44850	46000	50000	50800	46100	68250	---	43600
	---	26650	30350	34000	37000	40000	45000	42200	41000	45000	49600	36000
	---	23600	26625	30000	30350	35000	33500	37400	32750	39500	---	30000
	---	26400	30255	34371	37758	40255	43268	43889	43248	52731	49600	37499
	---	3747	6271	7404	8909	8962	11980	11646	14060	17164	---	11027
	0	10	84	92	65	51	37	37	33	13	1	423
Forensic	---	26775	33150	36875	42650	46500	58000	54625	59250	---	---	43150
	---	26250	28000	32750	36200	45200	48000	46000	46000	41400	---	34100
	---	23025	25200	29500	30600	38400	36000	43450	26500	---	---	28000
	---	25350	29005	33559	35988	42229	47514	47900	43833	41400	---	36110
	---	2258	5126	6586	8124	9022	11427	6122	15303	3394	---	9860
	0	4	20	34	17	7	7	8	6	2	0	105
Writing/ Editing	---	---	---	47725	37500	---	49000	50000	56500	---	---	48250
	---	---	22750	35500	30500	38000	46900	46000	48000	37000	---	40700
	---	---	---	28300	18775	---	45300	40200	45000	---	---	29150
	---	---	22750	37175	28925	38000	47067	45400	49833	37000	---	38964
	---	---	8839	10425	9897	---	1856	5401	5965	---	---	10970
	0	0	2	4	4	1	3	4	3	1	0	22
Data Processing	---	---	---	---	54250	---	---	---	---	---	---	52500
	---	---	32950	38000	51000	36500	65000	58000	52000	---	---	46000
	---	---	---	---	47000	---	---	---	---	---	---	36000
	---	---	32950	38000	50750	36500	65000	58000	52000	---	---	45608
	---	---	1485	0	3775	4950	---	---	---	---	---	10598
	0	0	2	2	4	2	1	1	1	0	0	13
Consulting	---	25750	46800	38600	45000	43975	60000	72500	58850	---	---	48500
	---	24000	37000	34000	38000	39000	56000	56000	48500	62500	---	39000
	---	22250	28000	29250	35450	31500	44000	44000	28500	---	---	31200
	---	24000	37700	35288	39723	39750	52971	57800	44800	62500	---	41271
	---	1826	10628	9349	6717	11454	8142	14670	15389	3536	---	12906
	0	4	9	17	13	8	7	5	8	2	0	73
Other	---	28400	37000	44850	45000	55750	57500	46750	50125	56250	---	46125
	---	26000	30900	41150	39000	42000	43000	36250	45750	46000	---	38700
	---	25800	25700	36750	33800	37000	33350	33750	39500	38450	---	32875
	---	26733	30811	41470	40111	44835	45675	39636	49107	47267	---	40873
	---	1447	6992	7476	14002	12438	13883	8686	16598	16674	---	13168
	0	3	19	10	19	17	8	14	14	6	0	110
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	29000	35000	40000	46000	52000	56000	55850	56625	62000	48400	49000
	60500	26350	30700	35000	40000	44850	48000	48000	49000	50000	36000	40000
	---	24825	27200	30300	35000	37425	40000	40000	40000	41000	26475	32025
	60500	26655	31288	36036	41037	45181	48641	49484	49868	52182	36717	41662
	---	3443	6518	7614	9845	10923	11835	12488	14633	16507	10629	12848
	1	74	503	607	491	346	276	344	338	138	6	3,124

Table 2.3.2.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	41000	52000	53750	59550	70250	57500	53000	---	---	53250 - 75th %-tile
	---	52700	38500	37200	43150	42700	57500	52000	48000	---	---	41000 - 50th %-tile
	---	---	27800	35000	30150	34950	33250	47250	30250	---	---	34000 - 25th %-tile
	---	52700	35078	38743	42363	44450	52833	52250	42900	---	---	43270 - Mean
	---	---	6612	11466	11776	16858	19177	5560	13993	---	---	13636 - Std Dev
	0	1	9	7	8	10	6	4	5	0	0	50 - Count
Basic Research	---	29300	32000	39300	40000	43900	43700	---	---	---	---	38000
	---	26450	28000	34050	33500	38000	40750	47150	60250	36500	---	31400
	---	25275	26000	31025	30200	30250	39375	---	---	---	---	27000
	---	26575	28903	35877	35663	36100	41275	47150	60250	36500	---	33317
	---	2649	4893	7329	7495	8088	2374	4031	27931	---	---	8759
	0	12	35	22	16	9	4	2	2	1	0	103
Applied R&D	---	29000	34000	36500	40000	41250	43350	48675	50000	55800	---	37000
	---	26450	30000	32100	37350	36900	38250	34050	40200	36000	30000	31500
	---	24700	26550	30000	31750	29100	33575	26350	37600	17600	---	27600
	---	26961	30152	33074	35888	35873	37329	36233	45657	36467	30000	32513
	---	4167	5280	5435	7165	9273	8303	12308	14436	19104	0	7629
	0	28	96	57	26	22	14	6	7	3	2	261
General Mgt	---	---	35850	53000	65925	53875	---	---	49000	---	---	47000
	---	28250	29200	42000	40000	47250	38000	---	34200	---	---	36000
	---	---	27975	36075	35000	30750	---	---	31000	---	---	31000
	---	28250	30983	45683	47283	44000	38000	---	38067	---	---	40465
	---	6010	3885	13217	15687	11068	11314	---	9603	---	---	12281
	0	2	6	6	6	6	2	0	3	0	0	31
Marketing	---	---	35775	43025	46750	48750	55000	---	---	---	---	43000
	---	29500	32000	35350	33750	36800	47500	51000	---	---	---	34700
	---	---	30875	29925	29175	26650	40000	---	---	---	---	30750
	---	29500	33814	35750	37400	37400	47500	51000	---	---	---	36808
	---	3536	8664	7831	10260	11887	8660	---	---	---	---	9677
	0	2	14	6	6	4	4	1	0	0	0	37
Prod & QC	---	28500	32325	37400	40000	42975	40500	---	---	---	---	37000
	---	25000	29150	33800	34200	33900	35000	29700	50000	---	---	31100
	---	19400	25125	26000	28250	22000	29500	---	---	---	---	25500
	---	24160	29712	33500	35077	33150	35000	29700	50000	---	---	32019
	---	4704	5315	8526	8957	10686	6595	10324	---	---	---	8092
	0	5	26	15	13	8	5	2	1	0	0	75
Forensic	---	---	29200	32750	42200	27900	---	---	---	---	---	32750
	---	---	26600	31000	32000	27400	42600	45250	---	---	---	29600
	---	---	18000	28200	19200	22000	---	---	---	---	---	26775
	---	---	24043	30988	31133	25767	42600	45250	---	---	---	30000
	---	---	6965	2885	11524	3272	---	5303	---	---	---	6346
	0	0	7	8	3	3	1	2	0	0	0	24
Writing/ Editing	---	---	---	34000	44000	48250	42750	---	68500	---	---	42000
	---	28200	28000	23400	36000	41000	37000	48000	40300	40000	---	36000
	---	---	---	21800	30500	34150	32550	---	29000	---	---	29000
	---	28200	28000	26400	35486	41160	37475	48000	45933	40000	---	36877
	---	---	1414	6630	11622	9334	5012	---	20344	---	---	10492
	0	1	2	3	7	5	8	1	3	1	0	31
Data Processing	---	---	41000	---	---	---	---	---	---	---	---	40125
	---	---	37500	---	---	---	20000	---	---	---	---	34750
	---	---	32000	---	---	---	---	---	---	---	---	23000
	---	---	36833	---	---	---	20000	---	---	---	---	32625
	---	---	4537	---	---	---	---	---	---	---	---	9196
	0	0	3	0	0	0	1	0	0	0	0	4
Consulting	---	---	---	---	---	---	---	---	---	---	---	49500
	---	---	28000	35500	28500	---	---	60000	---	---	---	32000
	---	---	---	---	---	---	---	---	---	---	---	28250
	---	---	28000	35500	28500	---	---	60000	---	---	---	37500
	---	---	---	4950	---	---	---	---	---	---	---	13323
	0	0	1	2	1	0	0	1	0	0	0	5
Other	---	---	40375	37000	---	45150	---	---	---	---	---	40050
	---	28350	31150	32500	54900	38700	30000	38000	49300	---	---	36000
	---	---	23850	29000	---	33600	---	---	---	---	---	28500
	---	28350	31267	33343	54900	39667	30000	38000	49300	---	---	35612
	---	4455	9316	5019	---	11726	---	2828	---	---	---	9500
	0	2	6	7	1	6	1	2	1	0	0	26
No Response	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	29450	34000	37450	42000	44400	44450	50500	50500	47900	---	39800
	---	26900	30000	33600	36000	38000	40000	47000	42000	36500	30000	32300
	---	25000	26350	30000	30800	29400	32850	36500	36750	26800	---	28000
	---	27315	30264	34348	37148	37788	39959	43124	45723	37180	30000	34321
	---	5228	5950	7514	9869	11332	11020	11073	14630	13600	0	9673
	0	53	205	133	87	73	46	21	22	5	2	647

Table 2.3.3

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SUBORDINATES (Profs + Techs)	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
0	24000	26500	35000	39700	45000	50000	50000	53225	55000	60750	41325	43000 - 75th %-ile
	21450	23500	30000	35000	39000	41500	44000	44500	45850	50000	35000	35000 - 50th %-ile
	18075	20500	26000	30000	33000	34000	36600	37000	37150	40250	29000	27000 - 25th %-ile
	21091	23650	30304	34920	39116	42320	44458	45831	46716	50624	36715	36125 - Mean
	4170	5082	6414	7349	9124	12257	12504	12902	13978	15627	12564	12568 - Std Dev
	164	683	1,259	914	587	480	375	426	406	213	62	5,569 - Count
1-2	25300	28050	39000	43500	48150	54000	56400	60000	58250	60000	50000	49025
	21000	25000	35500	40000	42300	46400	49000	50000	50000	50000	42750	40500
	18000	22000	29700	35000	37000	39500	40000	42000	41300	40000	29500	35000
	21635	25616	34213	39258	42859	46780	48957	51007	50715	51510	40974	42106
	4973	5748	6745	7250	8769	11126	12337	12860	13386	16214	13181	12093
	40	217	1,158	1,189	872	688	461	498	414	207	46	5,790
3-5	24750	29250	38000	45525	50850	55100	58225	60000	60000	70000	46500	52000
	22000	25300	33000	40000	45000	49200	50000	50000	50000	55800	40000	43600
	18900	22000	28000	35000	38500	42000	43000	42275	42000	45000	30000	36000
	22235	25658	33119	40430	45075	49139	50601	51194	51900	57478	39339	44443
	5397	5713	7122	8361	9771	10938	11404	13474	14629	16911	12057	13074
	26	137	577	786	773	575	422	404	321	163	38	4,222
6-10	44200	31250	40000	49000	55000	60000	62975	65750	64550	76800	56000	59000
	25000	28350	34000	43000	49000	55000	55000	55900	55800	60000	50000	50000
	20700	25000	30000	35500	42000	47925	47050	48625	49950	45000	46000	41000
	31333	30050	34797	42728	48698	54302	54860	57323	57840	60315	56000	50412
	15565	12569	8184	9562	9825	10758	14189	14586	13250	17505	16031	14100
	9	26	127	203	309	264	192	180	138	59	7	1,514
11-15	30000	36000	38750	51150	62000	65000	65500	70000	65000	78000	55000	62150
	21600	27000	35000	45000	55000	58000	60000	60000	54000	60000	45000	54000
	18000	24000	30350	40000	47300	49700	50750	50500	50000	47500	35000	44000
	23200	30829	35751	46515	54003	56851	59015	60359	55579	59282	44443	53501
	6158	10604	7591	9192	10669	11382	11987	15288	14632	21353	9468	14210
	3	7	45	100	117	103	93	97	47	22	7	641
16-20	---	39000	40000	55000	63100	67650	70000	71050	67750	73500	70000	65000
	---	30000	35500	48000	55000	60000	60000	58700	60000	62000	60000	56200
	---	26250	28000	39300	48000	52650	53850	50000	50500	50000	52000	47000
	---	32100	33368	47080	55230	59797	61417	58919	60074	62288	58743	56108
	---	8820	8199	9955	11681	10527	11458	15724	15464	15409	11245	14224
	0	5	19	45	87	73	53	57	38	25	7	409
21-25	---	---	44500	54625	64500	68000	74400	72825	73750	80000	54600	70000
	---	40000	36600	44500	57000	60000	63300	65000	65000	72250	46500	60000
	---	---	33000	37075	50600	53000	55800	55275	55000	58350	42375	50000
	---	40000	40357	45883	56539	60440	63585	65207	63767	67993	47825	59181
	---	---	12298	11166	10882	11517	13115	12972	15490	18949	6546	14654
	0	1	21	42	77	99	65	56	48	28	4	441
26-35	---	---	45750	53500	68150	68975	70000	79000	75500	86000	70000	70000
	19000	26450	37500	47950	60000	64000	64000	70000	67900	74000	60000	64000
	---	---	28150	40000	51000	56500	53000	65000	56000	64250	48000	50700
	19000	26450	38700	46679	59480	62259	61896	70870	67900	72928	59333	62060
	---	778	14058	10174	11243	12818	11803	12234	13644	15467	11015	14911
	1	2	8	24	41	68	51	47	29	18	3	292
36-50	---	---	53000	54150	72300	73000	82500	83450	80000	80750	67250	77000
	---	---	45000	50500	65700	66000	70000	73000	73000	75000	61300	69100
	---	---	31000	45950	55000	63000	62700	66000	67000	54950	33750	60000
	---	---	43000	50567	66085	68095	71495	73346	72081	67060	53767	67594
	---	---	11136	4460	11461	12050	12760	11997	11072	23067	16945	14869
	0	0	3	6	27	37	21	24	16	20	6	160
51-75	---	---	70000	---	73500	76575	85000	80250	87925	91700	---	84600
	---	---	37100	46000	67000	69000	75000	71000	80000	86000	---	72000
	---	---	31900	---	62000	63750	66000	63000	70000	80000	---	65000
	---	---	46333	46000	67100	71217	75467	58443	75410	82233	---	72171
	---	---	20660	5657	6518	11223	10807	15943	18447	16129	---	15697
	0	0	3	2	13	18	15	14	20	15	0	100
>=75	---	---	---	---	85750	92000	85000	92000	81500	92000	---	87250
	---	31500	---	55500	75000	80000	80000	84600	72000	82000	---	80000
	---	---	---	---	67000	74500	69800	75000	65000	77000	---	70500
	---	31500	---	55500	75611	80765	73318	78556	70700	81289	---	76237
	---	---	---	7778	10012	12558	21055	22288	17547	14396	---	18399
	0	1	0	2	9	17	17	27	17	19	0	109
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	24000	27500	37600	44000	51575	58000	60000	63000	61000	70000	50000	52000
	21500	24000	33000	39000	44300	50000	50000	51000	50150	54300	40000	41300
	18300	21000	27300	33300	38000	40000	42000	42000	41625	44000	31250	33000
	21700	24568	32599	39049	45150	49836	51585	52986	52472	56489	41457	43474
	5552	5838	7152	8489	11053	13188	14015	15266	15331	18286	13925	14835
	243	1,079	3,220	3,313	2,912	2,422	1,765	1,830	1,494	789	180	19,247

Table 2.3.4

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
TOTAL SUBORDINATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
0	---	28200	32000	36400	40000	42375	45000	50000	49500	50000	35250	40000 - 75th %-ile
	---	25850	28650	32000	36000	36000	40000	43550	41000	41000	28800	33000 - 50th %-ile
	---	23000	25850	28800	31000	30000	33150	35000	34000	36750	27600	28000 - 25th %-ile
	---	25441	28999	32768	36100	36676	40137	42783	42183	43262	30550	34779 - Mean
	---	4204	5578	6362	7765	9101	10240	11588	10464	12943	4446	9694 - Std Dev
	0	88	332	309	189	172	101	120	115	53	4	1,483 - Count
1-2	---	29600	34500	39000	42000	48000	49550	51000	52525	51500	---	44400
	---	28000	30100	34000	38000	42000	41000	46000	46350	45000	26550	37000
	---	25150	26500	30000	31000	37350	36800	40000	37950	39500	---	30000
	---	27612	30530	34427	37169	42786	43218	46668	47031	43809	26550	38249
	---	3122	6236	7034	9077	10657	10750	9904	13515	13607	4879	11060
	0	25	227	243	165	113	105	117	100	45	2	1,142
3-7	---	29175	35400	39100	45000	50000	52060	52200	56000	56750	49200	47000
	---	25400	31200	35000	40000	42000	46300	45600	49600	48850	43000	38550
	---	22750	27100	30000	35000	38000	38550	38700	40000	40000	35750	31950
	---	26200	31130	35211	39672	43682	44734	45922	49127	48063	42650	39758
	---	4353	6746	7806	9041	10372	11024	12578	13322	14533	7236	11631
	0	22	161	205	174	116	88	81	103	32	4	986
8-12	---	30500	39500	42000	52000	53050	58100	57825	61200	79750	---	52800
	60500	26400	33800	36100	42000	49550	50000	50000	51150	52300	---	45000
	---	23500	30750	31250	35000	44225	43000	43225	45825	44500	---	35600
	60500	26880	34486	37234	43487	48760	49859	51290	56226	57923	---	45925
	---	3684	6746	9060	11057	8281	13952	13385	15780	18073	---	13832
	1	5	36	64	67	50	41	52	46	13	0	375
13-17	---	44350	42900	45000	55000	55100	64125	64750	65000	74250	---	54000
	---	32000	36500	41000	44400	48900	49500	54500	49300	57000	---	45000
	---	20650	29700	34000	35700	45000	42000	43500	42000	48625	---	36125
	---	32400	37568	39466	45305	49584	51194	53508	52095	61550	---	46499
	---	13771	8214	8332	13227	10782	14018	13053	14906	19377	---	13916
	0	5	19	41	37	19	16	26	19	10	0	192
18-22	---	29000	37500	46000	52000	60500	59500	62000	60100	75000	---	56000
	---	26000	33500	40000	41500	53150	54000	56000	54000	60000	---	46500
	---	24500	27500	35950	34750	44025	39000	45000	48300	36000	---	37000
	---	26500	34650	40640	42339	52279	51625	57536	57400	53571	---	48003
	---	2291	9821	6089	10369	10393	14272	16088	15317	19277	---	14926
	0	3	10	10	18	14	8	11	15	7	0	96
23-32	---	---	38150	48325	55000	60000	62500	64000	70000	59250	---	58125
	---	---	35500	40000	45100	53000	55600	53400	55000	52750	---	48550
	---	---	31800	33875	34000	45000	46500	47250	40000	34250	---	37500
	---	---	35171	40550	45074	54367	55080	56465	56547	49367	---	49079
	---	---	5095	8358	13532	11701	12550	12876	19796	20118	---	14929
	0	0	14	26	19	15	25	20	15	12	0	146
33-47	---	---	36300	54725	56175	63000	62000	69400	80000	77950	---	63000
	---	31000	28600	40250	49000	60000	49000	54500	61000	75000	---	50000
	---	---	21000	38250	40875	48600	43750	48400	50000	45000	---	40000
	---	31000	28843	44117	49550	57800	50900	55929	63536	64180	---	51718
	---	---	6847	12374	10392	13777	14698	13272	16850	17961	---	15834
	0	1	7	12	16	11	14	14	11	5	0	91
48-67	---	---	46500	63150	53000	50000	70000	68500	75000	74750	---	65000
	---	---	31000	46100	50000	45500	57400	65000	60000	63500	---	51000
	---	---	29000	30400	45000	40000	53500	49200	36000	47000	---	45000
	---	---	36400	46550	48429	45900	60544	60244	57357	61750	---	52760
	---	---	10359	17448	4650	6488	8940	10127	19246	14886	---	13481
	0	0	5	4	7	10	9	9	7	4	0	55
68-99	---	---	---	---	67250	82500	71000	68100	78750	---	---	71000
	---	---	28750	50000	51000	64000	54000	60000	60750	71000	---	52500
	---	---	---	---	40750	50750	40000	32060	40650	---	---	41250
	---	---	28750	50000	53400	65750	52429	53367	60050	71000	---	55243
	---	---	8839	---	15538	16998	17329	18942	20501	26870	---	18214
	0	0	2	1	5	4	7	3	4	2	0	28
>=100	---	---	---	46250	64000	61450	70625	91000	80000	81750	---	72625
	---	29950	---	42000	52000	53500	42250	76000	59000	79450	---	53250
	---	---	---	37950	48000	51500	33575	66000	50000	70850	---	45750
	---	29950	---	41267	55571	55880	49513	76729	63318	77350	---	58300
	---	2192	---	7680	8404	7007	24411	16227	22437	6153	---	20189
	0	2	0	6	7	5	8	7	11	4	0	50
TOTAL	---	29000	24150	39350	45000	50000	53000	54950	55425	58000	40500	47000
	60500	26100	30000	34500	38950	42000	45000	47000	48000	48700	32500	38000
	---	24000	26450	30000	33000	36000	37700	40000	40000	38900	27600	30000
	60500	26307	30511	34945	39567	43053	45503	48167	49186	48971	34590	39718
	---	4721	6488	7779	10169	11459	12779	13222	14974	16705	8785	12821
	1	151	813	921	704	529	422	460	446	187	10	4,644

Table 2.3.5

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS in PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1985 Survey of ACS Members

EMPLOYER	YEARS SINCE BS											TOTAL	
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp		
Chemicals	---	30000	35500	42000	47500	52000	54250	57000	57350	71500	---	50000	- 75th %-tile
	---	28200	31000	35900	40900	44150	45800	48000	49400	55000	48800	41000	- 50th %-tile
	---	25400	28000	30550	35000	37050	40000	40125	42850	48000	---	33000	- 25th %-tile
	---	28574	31509	37069	42473	45029	48537	49840	51704	57647	48800	43417	- Mean
	---	6358	5706	8621	10928	11742	12193	13453	14116	16969	1131	13709	- Std Dev
	0	23	142	169	127	116	98	124	121	51	2	973	- Count
Agricultural chemicals	---	30350	30900	36000	40800	50825	50400	50000	50000	---	---	45000	
	---	28600	28000	32000	36000	46500	50000	46000	40450	47800	23100	36000	
	---	25800	23500	29200	31000	39900	47000	40000	33750	---	---	29500	
	---	28180	28976	32386	35376	46490	53313	45645	41850	47800	23100	37685	
	---	2704	8312	4889	8470	8536	9853	6530	10693	5940	---	11125	
	0	5	21	37	17	10	15	11	12	2	1	131	
Coatings	---	28750	34675	41500	45000	55075	50000	50750	50250	52000	---	45925	
	---	26450	31000	35000	40000	43900	44000	45900	41350	45000	27600	37600	
	---	24275	28125	30300	34800	35800	33300	38750	36000	33000	---	31000	
	---	26333	31436	36677	39174	44944	45032	45022	43982	45953	27600	39069	
	---	3410	6811	8653	7919	9568	13911	8566	13259	19195	---	11641	
	0	6	44	44	31	16	19	18	22	15	1	216	
Foods	---	31000	34825	39000	45500	52725	55300	58000	63600	69950	---	47900	
	---	27000	31150	35000	38100	42750	46600	48000	48000	60000	30000	38000	
	---	24250	27225	30000	32375	39750	34250	38600	37000	38000	---	31150	
	---	27963	31986	35213	39027	46722	45754	48960	52494	55167	30000	40983	
	---	3889	6454	5989	8557	9551	15611	12861	19860	17661	---	13523	
	0	8	28	31	26	18	13	15	16	9	1	165	
Metals, minerals	---	---	32400	38750	44000	49550	56125	52000	58500	---	---	48000	
	---	20000	30500	33000	40000	46000	50000	45000	49250	44750	---	38000	
	---	---	27300	30500	31000	31400	37500	40500	35550	---	---	31000	
	---	20000	30678	34906	39140	41208	47563	46778	49329	44750	---	39597	
	---	---	5033	6766	9761	11479	10019	7546	17527	354	---	11989	
	0	1	18	17	15	13	8	9	14	2	0	97	
Paper	---	---	---	42000	47250	42300	---	51000	46000	---	---	45000	
	60500	---	---	40000	40000	36000	45000	45500	45000	---	---	41000	
	---	---	---	30000	32000	26000	---	44000	30000	---	---	32000	
	60500	---	---	35743	40100	34520	45000	46667	40333	---	---	39877	
	---	---	---	7085	8941	9558	0	3786	8963	---	---	9035	
	1	0	0	7	14	5	2	3	3	0	0	35	
Petroleum	---	31875	38200	43950	53500	56000	63000	64000	72625	80500	---	55000	
	---	26500	31250	38500	40000	50000	55000	55000	58000	59000	---	41550	
	---	21500	28725	34700	36000	42300	41000	48000	43750	41250	---	34000	
	---	26625	33517	39438	43641	49957	53082	57200	58083	60167	---	45302	
	---	5498	6852	7124	13526	15232	11493	14351	18386	19457	---	15524	
	0	4	42	32	17	23	11	23	18	6	0	176	
Pharmaceuticals, personal care	---	27550	32400	37650	42000	46925	51250	56650	56850	61000	37000	43000	
	---	25850	29200	34500	38800	41000	43350	47000	50100	53000	35000	35500	
	---	25000	26550	30000	34650	36500	39700	39750	42725	40500	30000	36100	
	---	25795	29735	34358	39183	42681	44890	49351	51923	53147	34000	37663	
	---	2537	5296	6410	8798	9174	9705	14149	13508	12018	3606	11160	
	0	38	157	173	120	84	50	41	40	17	3	723	
Rubber	---	---	34875	42025	45000	50000	51100	56250	60000	---	---	50000	
	---	26000	31000	33800	36000	42400	45000	51450	48000	55800	---	39000	
	---	---	29625	30500	29750	38000	39000	45450	33000	---	---	32600	
	---	26030	32086	35213	37838	42782	44929	52864	44911	55800	---	41142	
	---	0	5139	6946	10676	6958	6565	13420	16883	---	---	12706	
	0	2	14	16	13	11	7	14	19	1	0	97	
Biochemical products	---	---	31900	36550	53800	54000	---	45800	92000	---	---	42900	
	---	30000	29000	30000	45000	45000	25000	42000	48000	23000	---	35000	
	---	---	22000	24250	34000	40200	---	36000	41400	---	---	26000	
	---	30000	27954	30856	44120	46680	25000	41200	62960	23000	---	37477	
	---	---	6214	7130	10294	8375	---	4850	26685	---	---	15734	
	0	1	13	9	5	5	1	3	5	1	0	43	
Electronics	---	31625	38000	43500	48000	50025	59750	61650	50000	43100	---	47000	
	---	29500	33000	38000	40000	45500	50000	46000	47100	40500	---	39000	
	---	27500	29000	32750	37000	39850	39525	37050	41300	31750	---	32100	
	---	29240	33336	38416	42806	45125	48875	48562	47392	38450	---	40395	
	---	2478	6454	9712	9399	10110	11725	13953	7189	6502	---	10949	
	0	10	44	25	31	8	20	13	13	4	0	168	
Other manufactures	---	29350	36000	39750	46000	51500	55000	52000	55000	54250	---	48000	
	---	26400	31000	35000	39250	44030	50000	47300	48000	43500	---	39000	
	---	22000	26300	30950	33300	35600	36000	41600	40000	38225	---	32000	
	---	26075	31377	35901	40299	43644	47378	47921	46930	45250	---	40443	
	---	3951	6589	7103	9715	11692	12865	9618	11703	14759	---	11608	
	0	12	117	113	106	75	58	77	63	28	0	649	
Non-Mfg	---	28500	34050	38750	47500	46050	55250	68000	51000	50000	---	43000	
	---	25800	29500	35000	38700	38900	45500	42000	49000	45500	---	35000	
	---	22500	24000	30000	33400	30000	35475	32000	32100	29000	---	28000	
	---	26259	29422	35175	40226	38835	44625	44267	44520	41375	---	36448	
	---	5017	7676	8294	10713	12811	13777	14126	12156	13958	---	11576	
	0	17	69	69	57	37	20	15	15	8	0	307	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	29000	34650	40000	46000	50850	55000	56000	56000	60900	45250	47975	
	60500	26500	30300	35000	39400	43500	46000	48000	48500	50000	32500	38400	
	---	25000	27000	30000	34200	36450	40000	40000	40000	40000	28200	31000	
	60500	26931	30988	35719	40451	43862	47401	49115	49611	51431	35038	40391	
	---	4273	6368	7618	9929	11325	12095	12469	14626	16769	9506	12663	
	1	127	709	742	579	421	322	366	361	144	8	3,780	

Table 2.3.6

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
REGION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Pacific	---	29350	36000	40750	46500	45000	50000	54000	54500	57875	---	45900 - 75th %-ile
	---	26000	30000	35700	40900	40000	44000	48000	50000	48500	---	38000 - 50th %-ile
	---	23300	26000	30000	35050	36700	37400	39750	39000	41750	---	30000 - 25th %-ile
	---	26144	30841	36123	41642	41094	44648	48114	46982	51390	---	39112 - Mean
	---	3858	6528	7454	9688	8899	13010	10397	10986	12804	---	11051 - Std Dev
	0	9	74	64	57	35	27	29	22	10	0	327 - Count
Mountain	---	---	39250	41100	48000	45325	50000	56050	82500	60000	---	45000
	---	23000	30500	37500	37100	38000	39000	54000	46500	52250	48000	38000
	---	---	26750	31200	32000	25050	34350	40400	38400	37375	---	31000
	---	23000	32839	36572	40367	35813	40856	49380	57660	49875	48000	39493
	---	---	8542	5850	12051	9883	8626	8624	23708	12318	---	12092
	0	1	18	18	18	8	9	5	5	4	1	87
W.N. Central	---	30000	32000	39625	46575	52625	52500	59000	63250	76250	---	48000
	---	28400	30200	34500	38000	42500	42000	48500	49700	54000	---	36000
	---	26000	27325	31875	31750	35000	38000	36125	42000	37500	---	31000
	---	27736	30400	34890	41015	42964	44556	49225	51563	57200	---	40214
	---	3432	5106	6023	11326	11021	8172	17195	13319	20692	---	13299
	0	11	32	42	34	28	9	20	16	10	0	202
W.S. Central	---	30000	36600	43200	48500	58750	60500	55700	71600	56000	---	50075
	---	26500	31100	36150	40750	50050	48000	47400	52400	36900	---	40000
	---	25800	27450	30500	35525	34750	41500	39500	46000	21750	---	31900
	---	27429	32209	38015	42443	46953	50456	49252	56966	40467	---	42543
	---	5942	6574	9022	11301	14828	14814	14892	18326	22374	---	14611
	0	7	58	54	54	32	27	29	29	6	0	296
E.N. Central	---	29350	33000	40300	44000	50250	54750	52225	55700	55600	---	47000
	---	26000	30000	35000	39000	45000	46150	45000	48000	50000	---	38800
	---	25200	27000	30100	34800	38000	40000	39125	39375	41700	---	31275
	---	27796	30642	36149	39448	44778	47232	47136	48717	48771	---	40202
	---	5950	6002	7331	8534	10518	11795	12619	14467	16964	---	11974
	0	25	145	199	133	94	84	88	90	24	0	882
E.S. Central	---	---	32000	35675	39500	49000	46025	58000	53250	65900	---	44500
	---	32000	28000	31300	33750	42000	42000	49700	43600	47000	---	36600
	---	---	27000	27125	30450	35800	35700	41875	39650	37500	---	30000
	---	32000	30040	31730	34363	43689	41921	49650	47380	50867	---	38754
	---	---	7653	5704	5291	10880	8247	11877	11366	17950	---	11661
	0	1	15	20	8	9	14	6	10	6	0	89
Mid-Atlantic	---	29050	35500	39000	44400	51000	58000	57750	56775	61000	40150	49000
	60500	26200	31600	35000	38950	43800	50000	50000	49000	50000	32500	38400
	---	23600	28000	30300	34000	36000	40500	42250	37700	38000	26475	31950
	60500	26413	31730	35716	40003	44256	49398	50848	49380	49608	33717	40943
	---	4155	6226	7879	10519	11683	11933	11464	15967	16278	9259	13010
	1	38	193	203	154	123	83	116	104	49	6	1,070
So. Atlantic	---	29100	33000	37500	46000	49000	56250	57275	55000	60000	---	48000
	---	27000	30000	32500	38750	41200	43800	49000	49000	51000	---	37000
	---	24000	25000	28075	33300	36000	36000	43375	42450	47000	---	30000
	---	26594	29313	33583	39469	42104	46079	49778	48793	52416	---	39134
	---	2922	5945	7691	9037	11037	12462	12246	10918	15155	---	12490
	0	18	87	76	58	45	34	40	45	19	0	422
New England	---	28750	34300	40000	48000	52000	50200	51375	51000	75000	---	49000
	---	26050	30000	35350	42000	43500	49000	49150	46400	65000	---	39300
	---	25000	26200	31000	36800	37100	41000	41500	40400	50000	---	31000
	---	26625	30732	36261	42716	45119	47822	48773	48245	62293	---	40880
	---	2866	7165	8156	8896	10645	9796	13146	13757	15918	---	13009
	0	16	71	56	51	37	27	26	33	15	0	332
No Response	---	---	34750	40000	46050	48000	70500	50000	50000	---	---	45000
	---	29500	30900	34500	37500	42150	50000	44000	45000	41000	30000	39000
	---	---	27575	30875	30650	28875	34400	40000	43000	---	---	30700
	---	29500	31663	35350	40408	42590	51775	45357	46986	41000	30000	40164
	---	---	5466	4308	12862	13527	17352	12304	8528	---	---	12243
	0	1	16	10	12	10	8	7	7	1	1	73
TOTAL	---	29000	34650	40000	46000	50850	55000	55000	56000	60900	45250	47975
	60500	26500	30300	35000	39400	43500	46000	48000	48500	50000	32500	38400
	---	25000	27000	30000	34200	36450	40000	40000	40000	40000	28200	31000
	60500	26931	30988	35719	40451	43862	47401	49115	49611	51431	35038	40391
	---	4273	6368	7618	9929	11325	12095	12469	14626	16769	9506	12663
	1	127	709	742	579	421	322	366	361	144	8	3,780

Table 2.4.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	38800	47125	52500	61500	67000	77550	70000	83375	---	57900 - 75th %-tile
	---	---	36700	41250	46000	50500	58000	60000	60000	61500	---	46000 - 50th %-tile
	---	---	35000	37075	40000	42125	47000	49100	50000	54425	---	38750 - 25th %-tile
	---	---	36647	42279	47181	52524	57800	62702	60737	62500	---	49311 - Mean
	---	---	3888	7821	11860	14934	16271	16815	14185	20559	---	14977 - Std Dev
	0	0	55	114	111	72	45	41	27	20	0	485 - Count
General chemistry	---	---	46850	50000	55750	61200	75000	78500	83625	76250	---	66000
	---	32000	38400	44300	50000	52500	58000	61300	66800	67200	45000	53000
	---	---	36150	40025	42000	43300	50500	53000	53000	50250	---	43000
	---	32000	40800	45668	50497	52223	62016	64688	66050	61986	45000	55573
	---	---	5839	8271	11154	15947	18232	13596	17098	24661	7071	16624
	0	1	6	22	36	31	19	26	18	14	2	175
Analytical chemistry	---	---	40000	47700	53700	58000	60000	64000	65000	76850	47500	54000
	---	---	37300	42169	47200	50000	53000	55000	55800	55000	38400	45000
	---	---	35000	38150	40000	42000	44625	45000	45000	45600	33200	39000
	---	---	37934	42948	47352	50111	51931	55333	55739	60473	39700	47271
	---	---	4434	6449	9270	10629	13601	13666	14084	16299	7613	11432
	0	0	198	321	311	225	124	111	82	33	4	1,409
Inorganic chemistry	---	---	42000	47375	55000	60600	60000	65000	70975	77000	---	55000
	---	37200	39000	42000	48000	54000	52500	53850	60000	65000	---	47000
	---	---	36000	38425	41000	50000	48000	45500	51250	50000	---	40000
	---	37200	39282	43075	48643	55653	54424	54697	60770	65070	---	49103
	---	---	4157	6572	10051	10532	9856	16522	12868	14315	---	12244
	0	1	91	136	95	77	41	38	40	23	0	542
Organic chemistry	---	---	40000	45000	53100	62350	65000	69000	70000	77400	75000	58150
	---	---	37800	41000	48000	54000	56000	59000	57100	61000	43500	48000
	---	---	35700	38000	43000	47500	50000	48300	47500	50000	32000	40000
	---	---	37828	42047	48738	55447	57879	58371	59267	62787	50167	50423
	---	---	3570	7366	8872	12487	12738	15947	15416	17833	22262	13752
	0	0	207	334	326	273	178	175	92	85	3	1,673
Polymer chemistry	---	36750	40400	47000	54975	62000	65000	69875	67000	75000	55000	60000
	---	36000	38500	42000	50000	55000	57000	58000	57650	61250	45000	50000
	---	35400	36000	38900	44000	48500	50000	50000	50000	48000	36000	41800
	---	36060	38988	43253	50112	55244	57383	57922	58656	61361	45014	52013
	---	904	4070	6596	9248	11165	11870	15615	14456	17994	9377	13394
	0	5	209	274	296	341	227	244	168	100	7	1,871
Pharmaceutical chemistry	---	---	39800	47000	54500	65000	63000	74250	70000	80000	---	60000
	---	---	37500	42500	47000	57000	57000	62000	54900	65500	---	48000
	---	---	36000	38700	42900	48000	48200	50000	48000	46725	---	40000
	---	---	38375	43241	49009	57711	55774	61788	57358	62615	---	51021
	---	---	4849	6077	11337	14041	13354	16897	13399	20222	---	14542
	0	0	69	87	89	71	43	50	33	26	0	468
Medicinal/ clinical chemistry	---	---	40000	49000	58000	65000	68500	69000	76000	88000	---	63750
	---	---	38000	42000	50000	60000	60000	60000	65500	72000	45000	51500
	---	---	36000	38100	42000	51800	50750	50500	54250	55000	---	41350
	---	---	37698	43419	51309	59614	61122	59720	65475	70759	45000	53612
	---	---	5793	8216	11813	14121	14102	15167	14551	17854	---	15627
	0	0	51	79	86	71	54	40	24	27	1	433
Theoretical chemistry	---	---	41250	51025	65200	78000	---	---	---	---	---	62500
	---	---	39400	45000	51500	71800	73700	62500	---	---	---	46000
	---	---	34750	43000	46000	44000	---	---	---	---	---	40000
	---	---	38800	46950	50386	64600	73700	62500	---	---	---	50388
	---	---	3960	5569	15886	18107	---	3536	---	---	---	14047
	0	0	6	6	7	3	1	2	0	0	0	25
Environmental chemistry	---	---	40000	48250	53000	56000	66000	63300	60000	78000	---	60000
	---	---	36500	40850	45700	50000	56000	57000	53250	55300	32700	49900
	---	---	33600	37925	40000	43200	47300	47600	47750	45900	---	41000
	---	---	36894	43087	46466	50402	57205	56738	54546	61068	32700	50647
	---	---	4821	8586	11817	10935	13070	14586	12041	16943	---	13592
	0	0	16	38	70	51	40	39	26	22	1	303
Agricultural/ food chemistry	---	---	39850	43900	55950	63000	71000	70000	70875	78150	60800	60000
	---	59000	37500	40000	49150	52800	55100	62000	60500	65000	47300	49000
	---	---	36000	37000	43200	44825	50000	52000	54250	53750	44000	40000
	---	59000	37390	40151	50950	52897	61171	61751	61791	68400	50700	51242
	---	---	3448	5303	11982	13129	17540	15955	13353	15896	8901	15073
	0	1	48	80	72	86	35	39	34	18	3	416
Physical chemistry	---	---	43000	49000	55175	60000	64750	66800	68500	75500	---	58900
	---	---	39800	44000	49000	55000	55450	55000	58200	60000	56500	50000
	---	---	36000	40000	42575	48000	49305	49450	51600	53450	---	42350
	---	---	40121	44904	49728	54917	56496	58332	60745	64933	56500	51664
	---	---	6054	6798	9324	10294	11029	13495	13139	15342	4950	12167
	0	0	86	148	172	115	84	78	67	33	2	785
Other chemistry	---	---	41000	48000	55000	64000	60000	76500	75000	78875	---	60000
	---	32000	38900	43800	49000	54000	54500	61300	61500	62150	53000	50000
	---	---	36700	39000	43175	47750	46750	50500	53125	46250	---	42000
	---	32000	39168	43407	50398	56170	54345	61769	63479	61706	53000	52253
	---	---	3329	6991	9729	12497	14163	17898	14445	21907	2828	14441
	0	1	37	55	58	61	42	32	28	16	2	332
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	37350	40000	47000	54650	61650	65000	69000	69000	77000	54050	59000
	---	36000	38000	42000	48000	54000	56000	59000	58000	62000	45000	48600
	---	33500	36000	38500	42000	46250	48700	50000	50000	50000	36400	40000
	---	37833	38381	42928	48958	54381	56815	58549	59417	63061	46528	50628
	---	8181	4425	6970	10053	12262	13290	15505	14326	17960	10624	13601
	0	9	1,079	1,694	1,729	1,477	933	915	639	417	25	8,917

Table 2.4.1.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

SPECIALTY	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	No Resp	TOTAL
Biochemistry	---	---	39100	47500	51000	62150	65000	78775	69500	83825	---	60000 - 75th %-tile
	---	---	37000	41700	46000	54000	58000	60000	60000	64000	---	47100 - 50th %-tile
	---	---	35000	37800	40000	42825	47000	48550	50000	54675	---	38325 - 25th %-tile
	---	---	36617	42445	47386	53685	58186	62895	61436	64111	---	50214 - Mean
	---	---	4098	7916	12277	15105	15994	16964	13333	20687	---	15346 - Std Dev
	0	0	42	95	99	60	43	40	25	18	0	422 - Count
General chemistry	---	---	47900	50000	56000	61650	75750	79000	83750	76250	---	67000
	---	32000	40000	43000	50000	52250	62500	60000	70000	67200	45000	54000
	---	---	36500	40300	42000	43150	50875	52000	52000	50250	---	43300
	---	32000	41760	45789	51434	51997	63967	64636	66194	61986	45000	56239
	---	---	5976	8745	11382	16169	16595	11874	17613	2466.	7071	16771
	0	1	5	19	32	30	18	25	17	14	2	163
Analytical chemistry	---	---	40800	47000	54000	58000	60000	64000	65000	76850	67500	55000
	---	---	37500	42900	48000	50000	54000	55000	55600	55000	38400	45550
	---	---	35000	38600	41000	42875	45000	45000	45000	45600	33200	39675
	---	---	38154	43180	47734	50382	53174	55262	55944	60473	39700	47884
	---	---	4234	6590	9267	10599	12950	13632	14083	16299	7613	11492
	0	0	163	279	288	210	115	107	79	33	4	1,278
Inorganic chemistry	---	---	42000	47925	55000	60900	60000	65000	70975	77000	---	56000
	---	37200	39400	42000	48000	54000	52500	53850	60000	65000	---	48000
	---	---	36000	39325	41800	50000	48000	45500	51250	50000	---	40300
	---	37200	39465	43488	49118	55747	54424	54697	60770	65070	---	49729
	---	---	4110	6606	10146	10569	9856	16522	12868	14315	---	12330
	0	1	79	122	87	76	41	38	40	23	0	507
Organic chemistry	---	---	40000	45000	53200	62425	64950	69000	70350	77760	75000	59000
	---	---	37900	41100	48000	54050	56500	59450	67200	61000	43500	48100
	---	---	35700	38000	43000	47275	50000	48525	47750	50050	32000	40000
	---	---	37893	42041	48804	55478	57994	58599	69658	62951	50167	50759
	---	---	3678	7399	8897	12636	12785	15785	11389	17876	22262	13848
	0	0	184	304	317	264	172	170	89	84	3	1,587
Polymer chemistry	---	37500	41000	47100	55000	62000	65000	70000	67000	75250	55000	60000
	---	36000	38900	42300	50000	55000	57000	58000	58000	61750	45000	51000
	---	36000	36075	39000	44000	49000	50250	50000	50000	48000	36000	42000
	---	36500	39083	43313	50206	55489	57831	58160	58782	61643	45014	52550
	---	866	4195	6472	9249	11144	11702	15426	14311	18068	9377	13403
	0	3	172	249	283	332	216	241	164	98	7	1,765
Pharmaceutical chemistry	---	---	39600	48125	55000	65325	65000	75000	70000	80000	---	61125
	---	---	37400	42700	48600	58500	59000	63000	54500	66000	---	49250
	---	---	36000	38725	43100	48850	50000	50000	46000	48150	---	40000
	---	---	37783	43472	50011	58992	57403	62347	56913	63480	---	51774
	---	---	3448	6195	11175	14077	12441	17010	13528	20143	---	14725
	0	0	59	78	81	62	39	47	31	25	0	422
Medicinal/ clinical chemistry	---	---	40000	49000	58250	65000	69000	72000	76000	87000	---	64650
	---	---	38000	42900	51150	60000	60000	63500	65500	72000	45000	52500
	---	---	36100	38350	43375	51900	51250	54450	54250	57500	---	42000
	---	---	38347	43784	52282	60029	61370	62135	65475	70876	45000	54491
	---	---	3724	6275	11394	14551	14118	14566	14551	17723	---	15506
	0	0	43	73	78	65	53	34	24	25	1	396
Theoretical chemistry	---	---	42500	51025	66400	78000	---	---	---	---	---	61250
	---	---	39800	46000	49500	71800	---	62500	---	---	---	46000
	---	---	37005	43000	39750	44000	---	---	---	---	---	40000
	---	---	39760	46950	50200	64600	---	62500	---	---	---	50023
	---	---	3562	5569	17394	18107	---	3536	---	---	---	13661
	0	0	5	6	6	3	0	2	0	0	0	22
Environmental chemistry	---	---	39600	47250	53500	55450	66000	63300	60000	78000	---	60000
	---	---	36000	40850	46000	50000	56000	57000	53750	55300	32700	50000
	---	---	32250	38525	39500	43400	47500	47600	48500	45900	---	42000
	---	---	36108	43238	46485	50033	57334	56897	55758	61068	32700	51000
	---	---	5259	8088	11616	10497	12929	14958	11187	16943	---	13547
	0	0	12	34	61	48	38	35	24	22	1	275
Agricultural/ food chemistry	---	---	39850	43800	56150	63000	73300	70000	71250	78150	60800	60850
	---	59000	37600	40000	50400	52900	56050	62000	61000	65000	47300	50000
	---	---	36000	37000	43350	45250	49375	52000	53500	53750	44000	40000
	---	59000	37433	40074	51557	53236	61441	61751	61936	68400	50700	51987
	---	---	2834	5424	11713	13094	17730	15955	13533	15896	8901	15174
	0	1	40	69	69	84	34	39	33	18	3	390
Physical chemistry	---	---	43000	49000	55200	60000	64750	66000	66125	75750	---	59000
	---	---	40000	44000	49000	55000	55950	54000	58100	62000	56500	50000
	---	---	37000	40000	42000	48000	49425	49300	51475	53275	---	43000
	---	---	40219	44811	49686	55289	56780	58092	60324	64263	56500	51975
	---	---	6312	6877	9280	10248	10749	13556	12777	15530	4950	12148
	0	0	70	113	167	109	80	75	66	32	2	714
Other chemistry	---	---	41250	48500	55000	64000	60000	77750	75000	78875	---	60000
	---	32000	38900	44000	48500	54500	55000	62300	62000	62150	53000	50000
	---	---	36750	39000	43175	48000	48000	53500	55000	46250	---	42400
	---	32000	39187	43630	50141	56507	54931	63070	64533	61706	53000	52846
	---	---	3420	7009	9814	12321	14274	17688	13577	21907	2828	14540
	0	1	30	53	54	60	39	30	27	16	2	312
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	37500	40000	47000	55000	62000	65000	69910	69000	77000	54050	60000
	---	36000	38000	42000	48600	54000	56000	59000	58000	62900	45000	49500
	---	32000	36000	38575	42100	47000	49500	50000	50000	50000	36400	41000
	---	38529	38470	43053	49239	54676	57331	58798	59617	63285	46528	51195
	---	9309	4257	7088	10025	12279	13025	15460	14177	17967	10624	13664
	0	7	904	1,514	1,622	1,403	888	883	619	408	25	8,273

Table 2.4.1.2

SALARIES of FULL-TIME EMPLOYED Ph.D.CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK SPECIALTY and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS												
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	---	---	37800	46700	49900	56250	---	---	---	---	---	48125	- 75th %-tile
	---	---	36000	40000	46250	47450	49500	---	52000	48000	---	40500	- 50th %-tile
	---	---	34700	36000	38125	39500	---	---	---	---	---	36000	- 25th %-tile
	---	---	36746	41442	45492	46717	49500	---	52000	48000	---	43074	- Mean
	---	---	3262	7473	7777	13096	27577	---	28284	16971	---	10421	- Std Dev
	0	0	13	19	12	12	2	0	2	2	0	62	- Count
General chemistry	---	---	---	49900	48250	---	---	---	---	---	---	56750	
	---	---	36000	45600	42500	59000	26900	66000	63600	---	---	44300	
	---	---	---	39200	38250	---	---	---	---	---	---	37550	
	---	---	36000	44900	43000	59000	26900	66000	63600	---	---	46517	
	---	---	---	5384	5354	---	---	---	---	---	---	11770	
	0	0	1	3	4	1	1	1	1	0	0	12	
Analytical chemistry	---	---	39200	45300	50400	49300	45300	80000	60000	---	---	45000	
	---	---	36800	40000	42000	41000	38500	55000	59000	---	---	39500	
	---	---	34950	36000	39000	37925	29500	40000	32000	---	---	36000	
	---	---	36818	41322	42561	44914	36056	58333	50333	---	---	40978	
	---	---	5264	5257	8033	9531	12194	20207	15885	---	---	8630	
	0	0	34	41	23	14	9	3	3	0	0	127	
Inorganic chemistry	---	---	39900	41850	50825	---	---	---	---	---	---	43800	
	---	---	37350	38350	43900	48500	---	---	---	---	---	38900	
	---	---	34200	34750	38400	---	---	---	---	---	---	35000	
	---	---	38083	39479	43475	48500	---	---	---	---	---	40171	
	---	---	4453	5176	7656	---	---	---	---	---	---	5922	
	0	0	12	14	8	1	0	0	0	0	0	35	
Organic chemistry	---	---	39000	46150	51500	63050	66450	70250	62000	---	---	49275	
	---	---	37500	40000	45000	52750	55900	42500	46000	49000	---	40100	
	---	---	35700	38750	41400	49400	44350	27500	35000	---	---	37375	
	---	---	37304	42290	46422	54738	55500	46750	47667	49000	---	43861	
	---	---	2552	7192	8041	7599	13029	22633	13577	---	---	9903	
	0	0	23	29	9	8	5	4	3	1	0	82	
Polymer chemistry	---	---	39550	45600	53600	52500	60225	65000	75750	---	---	47000	
	---	35400	37500	41000	48000	47000	46200	27500	49500	47550	---	40000	
	---	---	36000	38300	42000	40500	36950	24000	35250	---	---	36900	
	---	35400	38546	42652	48054	46211	46950	38833	53500	47550	---	42848	
	---	566	3445	7851	9347	8081	11599	22728	21641	1344	---	9351	
	0	2	37	25	13	9	10	3	4	2	0	105	
Pharmaceutical chemistry	---	---	43625	44000	46000	62000	51650	62000	---	---	---	49100	
	---	---	38950	40000	40500	44500	40900	61100	64250	41000	---	41500	
	---	---	36750	38200	35000	39750	27150	36000	---	---	---	37250	
	---	---	41870	41244	40641	48869	39900	51033	64250	41000	---	44533	
	---	---	9228	4744	5693	10668	12871	14758	12374	---	---	10296	
	0	0	10	9	7	9	4	3	2	1	0	45	
Medicinal/ clinical chemistry	---	---	39525	43525	49500	63400	---	56500	---	---	---	50150	
	---	---	36500	38100	42700	54500	48000	50000	---	69300	---	45200	
	---	---	35250	33650	31325	46175	---	37500	---	---	---	36000	
	---	---	34213	36983	41825	55117	48000	47600	---	69300	---	44375	
	---	---	11833	6455	12371	7431	---	11971	---	27294	---	14048	
	0	0	8	6	8	6	1	5	0	2	0	36	
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	73700	
	---	---	34000	---	51500	---	73700	---	---	---	---	51500	
	---	---	---	---	---	---	---	---	---	---	---	34000	
	---	---	34000	---	51500	---	73700	---	---	---	---	53067	
	---	---	---	---	---	---	---	---	---	---	---	19896	
	0	0	1	0	1	0	1	0	0	0	0	3	
Environmental chemistry	---	---	40750	53750	53000	68900	---	66225	---	---	---	53750	
	---	---	40000	42850	44000	55000	54750	57350	40000	---	---	43500	
	---	---	37000	28809	40100	35000	---	42475	---	---	---	39350	
	---	---	39250	41800	46333	56300	54750	55350	40000	---	---	47179	
	---	---	2217	13682	13866	18549	21567	12491	16971	---	---	13786	
	0	0	4	4	9	3	2	4	2	0	0	28	
Agricultural/ food chemistry	---	---	40500	45500	43800	---	---	---	---	---	---	43500	
	---	---	37450	39500	43200	38650	52000	---	---	---	---	38900	
	---	---	35250	36000	24000	---	---	---	---	---	---	36000	
	---	---	37175	40636	37000	38650	52000	---	---	---	---	39388	
	---	---	5917	4667	11262	1909	---	---	---	---	---	6304	
	0	0	8	11	3	2	1	0	0	0	0	25	
Physical chemistry	---	---	44600	48050	64250	57375	67575	---	---	---	---	50000	
	---	---	38700	44400	44500	46450	48650	61500	88500	---	---	41800	
	---	---	35550	42075	41700	40875	36250	---	---	---	---	39000	
	---	---	39694	44707	50150	48150	50825	61500	88500	---	---	46070	
	---	---	4914	4976	13459	9476	16663	16263	---	---	---	11335	
	0	0	16	14	4	6	4	2	1	0	0	47	
Other chemistry	---	---	41000	---	62000	---	---	---	---	---	---	44500	
	---	---	39000	37500	54750	36000	40100	42250	35000	---	---	40000	
	---	---	36400	---	44875	---	---	---	---	---	---	36200	
	---	---	39086	37500	53875	36000	40100	42250	35000	---	---	42095	
	---	---	3153	3536	8929	---	5515	6718	---	---	---	7969	
	0	0	7	2	4	1	2	2	1	0	0	19	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
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	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
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	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	---	40000	45550	50300	56750	54475	62700	63600	57500	---	48000	
	---	35400	37400	40500	44800	48000	45700	50000	54000	48750	---	40000	
	---	---	36000	37500	39200	40000	33750	37500	35000	42400	---	36175	
	---	35400	37909	41706	44792	48507	45802	50759	53032	52463	---	43077	
	---	566	5211	6444	9389	10485	14546	15925	18130	16183	---	10121	
	0	2	174	177	105	72	42	27	19	8	0	626	

Table 2.4.2

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	47500	53000	62000	67000	70000	75000	75000	84500	55000	68500 - 75th %-tile
	---	36750	40000	48550	55000	60000	60000	65000	66000	76000	50000	59000 - 50th %-tile
	---	---	37250	43750	49750	53750	55000	56100	56425	59400	40000	50000 - 25th %-tile
	---	36750	42916	48451	55834	60783	62291	65007	65926	69861	50714	59720 - Mean
	---	1061	7281	7426	10044	11230	13729	15744	16377	20379	12932	14154 - Std Dev
	0	2	37	198	442	473	282	243	158	117	7	1,959 - Count
Basic Research	---	---	40275	45600	52000	60000	63500	67200	68500	70000	51000	53000
	---	34600	38250	42000	47850	53000	56000	60000	60000	60000	47300	44600
	---	---	36000	39000	42225	45100	51000	49200	52000	52000	32000	39100
	---	34600	38836	42750	47638	53617	56902	57727	60535	61055	43433	47295
	---	3677	4140	6259	8331	10584	9434	14612	12956	16150	10073	11375
	0	2	348	396	254	176	107	99	66	47	3	1,498
Applied R&D	---	36000	40000	45350	50000	56000	60000	62050	62000	70000	53575	53000
	---	35800	38000	41000	45000	50000	52000	53000	55000	56300	45000	45000
	---	35000	36000	38000	40650	44000	46050	47000	49300	47000	35750	39300
	---	35600	38067	41897	46030	50401	53155	54831	55890	58655	45793	47198
	---	529	3972	6199	7384	9681	11090	13159	11887	15142	9802	11022
	0	3	574	840	693	514	340	373	271	147	14	3,769
General Mgt	---	---	---	51500	60000	66250	71250	70750	72000	83750	---	70000
	---	---	40000	45000	53000	54400	60000	64650	65000	68500	---	57950
	---	---	---	40050	43000	46375	47800	50450	50000	60250	---	48000
	---	---	40000	46384	52442	56069	59946	60938	62374	68889	---	58498
	---	---	---	8840	12700	18042	16421	17814	15526	15408	---	16771
	0	0	1	25	43	54	50	60	31	36	0	300
Marketing	---	---	42400	49950	55500	60500	67500	70000	70500	68000	---	60000
	---	---	38350	44750	50000	53500	51000	53700	60000	50000	---	50000
	---	---	36000	40000	43100	49225	48750	44600	56000	48400	---	44000
	---	---	38994	44413	49928	54789	56921	55185	62310	57109	---	52413
	---	---	3984	8224	10842	11941	11616	20199	13524	15303	---	13564
	0	0	16	32	57	62	29	27	21	11	0	255
Prod & QC	---	---	40000	45000	51250	53400	60150	69200	61250	74500	---	53275
	---	32000	36000	40000	42600	44600	50000	50000	52000	55000	36800	44000
	---	---	33000	35000	36375	38425	40500	40725	42600	47500	---	37000
	---	32000	36409	39382	44034	46210	48851	53238	53276	59800	36800	45807
	---	---	4808	7279	10451	11997	15761	16310	10981	15738	---	12828
	0	1	23	38	58	58	37	26	25	5	1	272
Forensic	---	---	40050	42600	49300	56500	53000	54250	64750	---	---	50000
	---	---	37150	40000	45400	50000	46000	47500	47000	46000	---	42000
	---	---	33875	35700	39600	42500	38000	38300	41250	---	---	37500
	---	---	36600	40656	44476	47676	46014	45733	51113	46000	---	43813
	---	---	6656	8337	6004	11417	8452	14451	13064	---	---	10041
	0	0	14	25	17	21	7	6	8	1	0	99
Writing/ Editing	---	---	---	53000	51250	54875	57450	50000	64000	75000	---	55000
	---	---	---	48000	42500	47200	48200	41000	55500	60000	---	48000
	---	---	---	34000	35025	43000	36750	37500	40100	50000	---	38000
	---	---	---	45000	42750	48483	47344	41386	52740	61667	---	47356
	---	---	---	9849	9176	8336	10304	8780	13468	12583	---	10854
	0	0	0	3	6	6	9	7	5	3	0	39
Data Processing	---	---	---	43850	---	---	---	---	---	---	---	49000
	---	---	37600	40350	39000	45450	35000	51500	---	---	---	38000
	---	---	---	35250	---	---	---	---	---	---	---	35000
	---	---	37600	39583	39000	45450	35000	51500	---	---	---	41307
	---	---	566	4598	15556	20577	---	3536	---	---	---	8951
	0	0	2	6	2	2	1	2	0	0	0	15
Consulting	---	---	40100	44300	49300	58000	59250	67200	63000	70000	---	57750
	---	59000	37000	40000	42500	52000	49000	62700	50000	50000	---	46750
	---	---	32750	37000	35125	44000	44875	50550	34150	42500	---	39000
	---	59000	36633	41182	41038	48487	50917	60677	48860	51522	---	47276
	---	---	3912	8176	11302	15274	8297	16021	18221	21894	---	15300
	0	1	6	11	24	15	6	13	5	11	0	92
Other	---	---	65000	47200	53950	59750	65650	65000	67750	78000	---	65000
	---	---	40000	43500	43500	50000	53900	61600	55000	65000	---	52250
	---	---	30000	40750	38050	42850	47175	49250	49000	50000	---	43450
	---	---	45000	44267	45614	51304	56810	58400	58141	61895	---	54313
	---	---	18028	4385	12894	13393	12776	10495	14718	14610	---	14066
	0	0	3	6	22	24	20	18	22	19	0	134
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	37350	40000	47000	54925	61650	64800	68750	69000	76900	54050	59000
	---	36000	38000	42000	48450	54000	56000	58700	58000	62000	45000	49000
	---	33500	36000	38500	42000	46900	49000	49875	50000	50000	36400	40025
	---	37833	38474	42975	49080	54477	56765	58354	59359	63090	46528	50704
	---	8181	4435	6905	9910	12108	13130	15424	14340	17848	10624	13515
	0	9	1,024	1,580	1,618	1,405	888	874	612	397	25	8,432

Table 2.4.2.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY - MEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	46975	53000	62300	67000	70000	75000	75000	84500	55000	69000 - 75th %-ile
	---	36750	40000	49000	55000	60000	60250	65000	66000	76000	50000	59800 - 50th %-ile
	---	---	36250	44000	50000	53625	55000	56325	56425	59400	40000	50400 - 25th %-ile
	---	36750	42528	48685	56154	60845	62455	65071	65758	69861	50714	59988 - Mean
	---	1061	7513	7337	9947	11322	13745	15852	16332	20379	12932	14161 - Std Dev
	0	2	32	179	424	460	276	236	154	117	7	1,887 - Count
Basic Research	---	---	40525	46000	52000	61400	62025	67400	69000	70500	51000	54000
	---	34600	38400	42000	47900	53400	56000	60000	60000	60000	47300	45000
	---	---	36000	39050	42400	45750	52000	49425	52000	52300	32000	39700
	---	34600	38962	42840	47788	53936	57088	58057	60512	61370	43433	47724
	---	3677	4076	6341	8170	10726	9259	14551	13056	16182	10073	11509
	0	2	298	357	239	166	98	94	65	46	3	1,368
Applied R&D	---	---	40000	45475	50350	56000	60000	62400	62000	70000	53575	53400
	---	36000	38000	41300	45200	50000	52750	53300	55000	56300	45000	45600
	---	---	36000	38000	41000	45000	46575	47125	49300	47000	35750	40000
	---	36000	38153	41989	46183	50723	53497	55176	56139	58650	45793	47688
	---	---	3876	6209	7339	9645	10922	13000	11741	15051	9802	11081
	0	1	480	752	653	487	326	360	266	143	14	3,482
General Mgt	---	---	---	52000	60000	65000	71750	71000	75000	83750	---	70000
	---	---	40000	45000	53500	53800	60000	64300	65000	68500	---	58700
	---	---	---	40100	43450	46500	51625	50000	50500	60250	---	48050
	---	---	40000	46809	53261	56014	60846	60853	63750	68889	---	59060
	---	---	---	8642	12266	18174	16121	17954	14866	15408	---	16699
	0	0	1	23	38	51	48	59	28	36	0	284
Marketing	---	---	42625	50000	55750	62000	66000	70000	71250	73750	---	60000
	---	---	40550	44750	50000	55000	51000	53700	62500	55000	---	50900
	---	---	35375	39550	43525	50000	49500	44600	55500	47850	---	45000
	---	---	39560	44440	50239	55125	57119	55185	62475	58856	---	52966
	---	---	4637	8498	10680	12112	11209	20199	13854	16544	---	13652
	0	0	10	30	56	59	27	27	20	9	0	238
Prod & QC	---	---	40000	45000	51500	53600	60650	69900	61250	74500	---	54000
	---	32000	38000	41000	43000	45000	51000	50000	52000	55000	36800	44350
	---	---	33100	35000	36250	39400	44000	39950	42600	47500	---	37275
	---	32000	36957	39539	44251	46367	52006	53208	53276	59800	36800	46517
	---	---	4387	7739	10701	12044	13335	16646	10981	15738	---	12706
	0	1	21	33	53	57	33	25	25	5	1	254
Forensic	---	---	39400	43200	50000	56000	53000	54250	64750	---	---	50000
	---	---	37500	40000	46600	50000	48000	47500	47000	46000	---	44000
	---	---	34200	36400	40025	43000	38000	38300	41250	---	---	37750
	---	---	37991	41178	45379	47484	46014	45733	51113	46000	---	44426
	---	---	4371	8223	6257	11755	8452	14451	13064	---	---	9896
	0	0	11	23	14	19	7	6	8	1	0	89
Writing/ Editing	---	---	---	---	52500	57250	60350	50300	68000	75000	---	55750
	---	---	---	41000	42500	48000	50000	45600	49500	60000	---	48000
	---	---	---	---	32275	45700	39850	40500	38650	50000	---	41500
	---	---	---	41000	42425	50780	50080	45440	52050	61667	---	49157
	---	---	---	9899	10529	6877	10744	4918	15449	12583	---	10741
	0	0	0	2	4	5	5	5	4	3	0	28
Data Processing	---	---	---	43850	---	---	---	---	---	---	---	49000
	---	---	37600	40350	39000	45450	35000	51500	---	---	---	38000
	---	---	---	35250	---	---	---	---	---	---	---	35000
	---	---	37600	39583	39000	45450	35000	51500	---	---	---	41307
	---	---	566	4598	15556	20577	---	3536	---	---	---	8951
	0	0	2	6	2	2	1	2	0	0	0	15
Consulting	---	---	39650	45725	47900	58000	59250	67000	63000	70000	---	57250
	---	59000	34500	40000	42500	52000	49000	58500	50000	50000	---	46750
	---	---	32500	38500	35375	44000	44875	47600	34150	42500	---	39000
	---	59000	35760	42030	41314	48487	50917	59882	48860	51527	---	47321
	---	---	3662	8092	10840	15274	8297	17389	18221	21894	---	15257
	0	1	5	10	22	15	6	11	5	11	0	86
Other	---	---	---	50250	53950	59250	68875	65000	70000	78000	---	65000
	---	---	35000	43500	45000	50000	55500	61600	55000	65000	---	53250
	---	---	---	40500	38050	41700	47725	49250	52500	50000	---	44075
	---	---	35000	44750	45094	50827	57994	58400	60321	61895	---	54968
	---	---	7071	5252	11954	13723	12742	10495	14410	14610	---	14175
	0	0	2	4	18	22	18	18	19	19	0	120
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	37500	40200	47000	55000	62000	65000	69000	69000	77000	54050	60000
	---	36000	38000	42000	49000	54000	56000	59000	58000	62700	45000	49800
	---	32000	36000	38700	42400	47000	50000	50000	50000	50000	36400	41000
	---	38529	38560	43104	49359	54720	57288	58603	59541	63247	46528	51247
	---	9309	4246	6944	9854	12143	12865	15368	14217	17861	10624	13567
	0	7	862	1,419	1,523	1,343	845	843	594	390	25	7,851

Table 2.4.2.2

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY - WOMEN ONLY
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	51500	50000	52000	64100	66500	77000	87125	---	---	61750 - 75th %-tile
	---	---	47500	48000	47800	61500	46200	62000	78000	---	---	50000 - 50th %-tile
	---	---	41250	39500	44200	52750	44700	50000	52000	---	---	45000 - 25th %-tile
	---	---	46750	46242	47882	58600	53720	62857	72375	---	---	52746 - Mean
	---	---	5377	8089	9755	7230	12564	12226	19345	---	---	12201 - Std Dev
	0	0	4	19	17	13	5	7	4	0	0	69 - Count
Basic Research	---	---	40000	44850	50500	54250	64750	58825	---	---	---	47000
	---	---	37250	41350	47000	49150	52500	49500	62000	46600	---	40500
	---	---	35875	38425	40500	44375	46500	32375	---	---	---	36000
	---	---	38084	42066	45247	48320	53613	46900	62000	46600	---	42439
	---	---	4470	5463	10636	5988	11729	14189	---	---	---	8191
	0	0	50	38	15	10	8	4	1	1	0	127
Applied R&D	---	---	39625	45000	47000	48000	51650	58250	57000	88600	---	44575
	---	35400	37450	40000	43800	43600	45200	43500	35000	49000	---	39450
	---	---	36000	36700	39000	37700	33400	35250	32000	41000	---	36000
	---	35400	37630	40898	44023	44593	44823	45858	42600	59533	---	41176
	---	566	4424	5770	7239	8559	12816	14959	13372	25488	---	8086
	0	2	94	87	39	27	13	12	5	3	0	282
General Mgt	---	---	---	---	58550	---	---	---	---	---	---	58550
	---	---	---	41500	52000	52500	38350	---	45800	---	---	42000
	---	---	---	---	31000	---	---	---	---	---	---	33350
	---	---	---	41500	46220	52500	38350	---	45800	---	---	45185
	---	---	---	13435	15716	24749	5162	---	25173	---	---	14930
	0	0	0	2	5	2	2	0	2	0	0	13
Marketing	---	---	40000	---	---	---	---	---	---	---	---	48500
	---	---	37150	43000	32500	45750	54250	---	59000	49250	---	43000
	---	---	36000	---	---	---	---	---	---	---	---	36600
	---	---	38050	43000	32500	45750	54250	---	59000	49250	---	44087
	---	---	2685	---	---	3889	22274	---	---	1061	---	9965
	0	0	6	1	1	2	2	0	1	2	0	15
Prod & QC	---	---	---	41000	47550	---	28475	---	---	---	---	39700
	---	---	30650	38400	39500	37300	25950	---	---	---	---	37300
	---	---	---	35650	37050	---	14050	---	---	---	---	27950
	---	---	30650	38340	41740	37300	22825	---	---	---	---	34724
	---	---	7142	3061	7778	---	8443	---	---	---	---	9559
	0	0	2	5	5	1	4	0	0	0	0	17
Forensic	---	---	42000	---	41600	---	---	---	---	---	---	42000
	---	---	34000	34650	40200	49500	---	---	---	---	---	40900
	---	---	18500	---	39000	---	---	---	---	---	---	32375
	---	---	31500	34650	40267	49500	---	---	---	---	---	38360
	---	---	11948	10112	1301	10607	---	---	---	---	---	10173
	0	0	3	2	3	2	0	0	0	0	0	10
Writing/ Editing	---	---	---	---	---	---	53975	---	---	---	---	53000
	---	---	---	53000	43400	37000	43100	31250	55500	---	---	38000
	---	---	---	---	---	---	34700	---	---	---	---	36800
	---	---	---	53000	43400	37000	43925	31250	55500	---	---	42773
	---	---	---	---	9334	---	10056	8839	---	---	---	10199
	0	0	0	1	2	1	4	2	1	0	0	11
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
Consulting	---	---	---	---	---	---	---	---	---	---	---	63875
	---	---	41000	32700	38000	---	---	65050	---	---	---	47000
	---	---	---	---	---	---	---	---	---	---	---	30275
	---	---	41000	32700	38000	---	---	65050	---	---	---	46633
	---	---	---	---	21213	---	---	3323	---	---	---	17403
	0	0	1	1	2	0	0	2	0	0	0	6
Other	---	---	---	---	66850	---	---	---	52000	---	---	58600
	---	---	65000	43300	47500	56550	46150	---	46000	---	---	45800
	---	---	---	---	34500	---	---	---	35000	---	---	40625
	---	---	65000	43300	47950	56550	46150	---	44333	---	---	48700
	---	---	---	3253	18576	10536	9405	---	8622	---	---	12133
	0	0	1	2	4	2	2	0	3	0	0	14
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	---	40000	45525	50450	56750	53700	62700	62800	59650	---	48000
	---	35400	37500	40600	44000	48000	45700	50000	54800	48750	---	40000
	---	---	36000	37675	39200	40000	34025	37500	35000	45200	---	36625
	---	35400	38003	41737	44702	48865	45618	50759	53153	53950	---	43077
	---	566	5333	6335	9610	9977	14220	15925	17879	17275	---	10097
	0	2	161	158	93	60	40	27	17	6	0	564

Table 2.4.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
SUBORDINATES (Profs + Techs)	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	---	37125	39000	43125	49625	55000	58100	60000	65000	66425	55400	51000	- 75th %-tile
	---	35500	36450	39700	43000	49300	50000	50000	55150	52000	36000	43000	- 50th %-tile
	---	32750	35000	36000	38475	42000	44000	43100	47125	45000	33500	37000	- 25th %-tile
	---	35125	36828	39545	43576	48593	51199	51130	55993	55236	42760	45352	- Mean
	---	2323	4084	5684	8485	11502	13289	12978	14163	15297	12243	12032	- Std Dev
	0	4	276	314	234	183	144	159	128	94	5	1,541	- Count
1-2	---	53550	40500	45000	50000	56000	60000	63000	63000	67950	54525	52000	
	---	36600	38700	41900	45000	50000	52000	54000	55000	56000	50500	44500	
	---	35850	36200	38800	41000	43500	46500	47000	50000	47750	43875	39500	
	---	42000	38892	42197	45790	50378	52923	54905	56721	58502	49800	46824	
	---	11350	3802	5610	7588	10098	10704	12938	11914	15189	11548	10634	
	0	4	567	719	539	430	255	263	195	105	12	3,089	
3-7	---	---	41500	48000	53000	59425	61000	65000	67000	75000	50000	57000	
	---	32000	38400	44000	48600	52000	55500	56200	56850	61200	40000	49200	
	---	---	36000	39000	43550	46700	48000	49500	48000	50250	38400	42000	
	---	32000	38904	44116	48766	52735	54860	56357	57793	62499	43360	50277	
	---	---	4846	7039	8281	10379	10250	13818	14312	17036	7138	11736	
	0	1	150	370	433	322	189	185	124	80	5	1,859	
8-12	---	---	48000	52975	56000	63775	65000	70000	66300	81000	---	62075	
	---	---	44000	47550	52000	56100	58000	60000	58150	72500	44000	55000	
	---	---	38400	42700	47725	51000	52000	55000	53000	60000	---	49000	
	---	---	43289	48031	52202	57261	58248	62375	60224	69096	44000	55849	
	---	---	8807	7966	8447	9928	14334	15403	12144	16910	---	12492	
	0	0	19	96	172	170	107	79	62	26	1	732	
13-17	---	---	41375	57000	62000	65700	66000	72000	71000	80000	---	65000	
	---	---	37750	50000	56000	60000	60250	64500	58500	70000	45500	58500	
	---	---	35250	48000	50200	53850	55075	55700	50825	60000	---	51800	
	---	---	38125	51797	56420	60125	62325	63125	58388	69182	45500	59018	
	---	---	3224	7606	8460	10430	10272	15210	19281	15098	13435	12217	
	0	0	4	39	71	69	56	52	16	11	2	320	
18-22	---	---	---	56500	65000	69750	70000	74125	77250	77750	---	70000	
	---	---	40000	53050	60000	60000	64700	68500	66250	70000	---	60500	
	---	---	---	48500	54000	57125	58000	53675	61000	63500	---	55000	
	---	---	40000	52385	58986	62654	63623	64854	68393	70738	---	61944	
	---	---	---	7730	11026	9174	10142	17720	14035	13218	---	12391	
	0	0	1	20	57	52	35	28	14	13	0	220	
23-32	---	---	51000	60000	65000	68000	76000	78250	76250	83500	---	72000	
	---	---	45500	55000	60000	62000	65000	70000	68250	76700	---	63400	
	---	---	37750	44000	52625	55600	59100	64250	60525	68500	---	56000	
	---	---	44750	51509	59737	62570	67994	70347	66807	75718	---	64394	
	---	---	6898	9021	8550	11440	11575	11205	15773	12436	---	12707	
	0	0	4	11	52	69	35	34	28	17	0	250	
33-47	---	---	66000	59625	66650	59500	72250	82250	76000	91250	---	75000	
	---	---	45000	51000	60500	64200	65500	72950	67900	80000	---	65000	
	---	---	40000	47750	54500	58500	60000	64750	62300	69750	---	60000	
	---	---	50333	52863	61312	63320	66380	73138	70873	80125	---	56366	
	---	---	13796	6348	8381	12329	10621	11178	12909	10673	---	12638	
	0	0	3	8	25	49	30	32	11	12	0	170	
48-67	---	---	---	---	74325	73500	88425	84800	80000	84000	---	80000	
	---	---	---	---	68500	67300	80000	77000	75000	77000	---	70600	
	---	---	---	---	60750	65000	63100	70000	72300	50000	---	65000	
	---	---	---	---	68165	69016	76742	76724	76482	64657	---	71165	
	---	---	---	---	11496	10588	13238	9302	7322	27230	---	14344	
	0	0	0	0	20	32	12	17	11	14	0	106	
68-99	---	---	---	---	74250	79850	85000	83700	87925	96000	---	85000	
	---	---	---	42000	68000	68000	75000	78000	80000	90000	---	75000	
	---	---	---	---	63000	63750	65000	64000	70750	75750	---	66000	
	---	---	---	42000	67625	71943	74364	75229	79517	83670	---	75011	
	---	---	---	---	6802	12353	11523	9486	9336	17079	---	12961	
	0	0	0	1	8	14	11	7	12	10	0	63	
>=100	---	---	---	---	85500	90000	85250	92200	84000	92400	---	90000	
	---	---	---	55500	75000	80000	80000	85100	78000	85000	---	81250	
	---	---	---	---	70000	75000	70000	79875	72000	78000	---	74750	
	---	---	---	55500	75500	81800	79386	78689	78400	82940	---	79278	
	---	---	---	7778	9251	9741	10997	24850	10080	15648	---	15697	
	0	0	0	2	7	15	14	18	11	15	0	82	
TOTAL	---	37350	40000	47000	54925	61650	64800	68750	69000	76900	54050	59000	
	---	36000	38000	42000	48450	54000	56000	58700	58000	62000	45000	49000	
	---	33500	36000	38500	42000	46900	49000	49875	50000	50000	36400	40025	
	---	37833	38474	42975	49080	54477	56765	58354	59359	63090	46528	50704	
	---	8181	4435	6905	9910	12108	13130	15424	14340	17848	10624	13515	
	0	9	1,024	1,580	1,618	1,405	888	874	612	397	25	8,432	

Table 2.4.4

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
TOTAL SUBORDINATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	---	37125	38550	42725	47650	52000	54000	58000	61000	61000	55400	50000	- 75th %-tile
	---	35500	36000	39000	42000	46350	48000	50000	53000	50000	36000	42000	- 50th %-tile
	---	32750	34575	35000	36500	40000	41575	43550	45000	43000	33500	36500	- 25th %-tile
	---	35125	36423	38642	41790	46267	48705	50230	53230	52036	42760	44161	- Mean
	---	2323	4163	6415	9031	11459	11638	11121	12813	15454	12243	11456	- Std Dev
	0	4	314	370	308	252	202	206	167	131	5	1,959	- Count
1-2	---	53550	40000	45000	50000	55000	59800	62000	61600	66100	54050	52000	
	---	36600	38500	41450	44600	49900	51900	53350	54700	54000	50000	44200	
	---	35850	36000	38000	40000	42000	45000	46000	49000	47500	44250	39000	
	---	42000	38460	41768	45216	49318	51885	53386	54932	56199	49431	46343	
	---	11350	4176	5936	7821	9822	10969	12757	11389	13384	11136	10485	
	0	4	605	784	613	506	324	322	236	145	13	3,552	
3-7	---	55725	41500	48000	52000	57050	60000	64250	64600	70425	55000	56000	
	---	38200	38400	43000	47600	51000	54000	56100	55000	60000	45000	48000	
	---	30500	35700	39000	42000	44375	46000	47425	47000	48325	40000	41000	
	---	41475	38789	43521	47441	50992	52809	55994	55975	59139	45686	49194	
	---	13600	5423	7233	8623	10087	10858	12685	12796	14975	7989	11218	
	0	4	171	437	530	434	241	230	167	90	7	2,311	
8-12	---	---	46950	52000	55000	61525	65000	65000	65000	77100	---	60000	
	---	---	39000	45900	50000	55000	57500	60000	57000	65000	44000	53000	
	---	---	35350	40000	45000	49000	51125	52000	53000	58750	---	46450	
	---	---	40734	46129	50491	55087	57250	58143	58535	66445	44000	53713	
	---	---	8455	7941	9008	10760	12773	12938	10866	11063	---	11806	
	0	0	29	116	218	200	124	99	69	38	1	894	
13-17	---	---	41625	56500	60000	65000	65000	67750	63600	76500	---	64250	
	---	66600	38750	50000	54650	58000	60000	60000	58000	63000	45500	57000	
	---	---	35500	47000	49675	52000	53150	47000	50500	60000	---	50000	
	---	66600	38500	51084	54140	58551	59194	56908	56703	65565	45500	56440	
	---	---	3130	9016	9431	10187	9206	17053	14976	11548	13435	11978	
	0	1	6	44	94	94	66	60	29	17	2	413	
18-22	---	---	39500	55500	62500	67500	65250	71000	73000	76000	---	66000	
	---	---	36000	51750	56000	60000	60000	60000	67000	67500	---	59750	
	---	---	31000	39875	47000	51000	51475	52900	56000	58250	---	50000	
	---	---	35500	49612	54611	58735	57936	60427	64041	65139	---	57285	
	---	---	4435	9823	11563	11701	12766	11292	13292	13456	---	12521	
	0	0	4	26	83	75	42	37	17	18	0	302	
23-32	---	---	49000	55750	64375	65000	70000	73000	73000	80000	---	70000	
	---	---	39500	54650	56150	60000	62250	69500	66000	69350	---	60000	
	---	---	35025	44250	50000	54050	56500	57950	60000	61200	---	54000	
	---	---	41283	50370	57349	58592	63465	65427	65367	69150	---	60595	
	---	---	7624	9131	9968	10598	10774	13608	13507	12073	---	12363	
	0	0	6	20	68	73	52	45	35	18	0	317	
33-47	---	---	---	61250	68725	68000	72000	76125	70000	80000	---	71000	
	---	---	55500	52000	56750	62000	65000	70000	65000	66000	---	63000	
	---	---	---	45700	51500	53800	57500	61375	59000	52000	---	55000	
	---	---	55500	53656	58676	60999	63824	68958	64496	65413	---	62710	
	---	---	14849	11605	11222	11164	10902	10409	9412	16021	---	11725	
	0	0	2	9	34	67	37	36	23	15	0	223	
48-67	---	---	---	57550	70500	70000	70400	78750	73000	82400	---	73750	
	---	---	37500	50500	63750	65000	63000	72000	67300	75500	---	66000	
	---	---	---	41375	55000	56000	56250	65000	60000	53500	---	55250	
	---	---	37500	51150	63757	62235	61220	70350	64374	65090	---	63409	
	---	---	3536	10563	11707	14107	16673	11437	14295	25197	---	15704	
	0	0	2	6	30	51	20	24	19	20	0	172	
68-99	---	---	---	50000	69000	69500	82750	82050	82500	81000	---	80000	
	---	---	---	42000	57000	60500	73450	70100	73000	80000	---	67450	
	---	---	---	39000	53000	56375	60400	64750	66500	66500	---	57375	
	---	---	---	43667	59367	61290	68643	71450	74556	73191	---	66556	
	---	---	---	5686	11731	13221	17397	10689	8079	13740	---	14144	
	0	0	0	3	15	20	14	22	9	11	0	94	
>=100	---	---	---	59250	83500	77600	80000	83000	80000	79950	---	80000	
	---	---	---	50000	75000	67900	70000	75000	71000	75250	---	70000	
	---	---	---	26500	68700	60000	63000	68000	64850	67525	---	63000	
	---	---	---	44300	75531	66300	67777	69326	71171	71413	---	68624	
	---	---	---	18026	8652	13167	14314	20910	9279	12967	---	14621	
	0	0	0	5	13	31	30	19	28	16	0	142	
TOTAL	---	51700	40000	46500	53500	60000	62000	65000	66000	70000	54525	57400	
	---	36000	38000	42000	47400	52000	54000	56000	57000	59300	45000	48000	
	---	33500	35600	38000	41000	45000	46300	48000	49300	48000	37600	40000	
	---	41615	38039	42363	47877	52407	54423	56206	57110	58912	46829	49479	
	---	12080	4736	7362	10249	11702	12538	13878	12980	15719	10261	12703	
	0	13	1,139	1,820	2,006	1,803	1,152	1,100	799	519	28	10,379	

Table 2.4.5

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Chemicals	---	---	40000	46000	54000	62000	64850	70000	70325	78000	52000	60000 - 75th %-tile
	---	33900	38000	42000	48000	55000	56000	60000	60000	63000	40500	50000 - 50th %-tile
	---	---	36000	39000	43000	48000	49425	50000	52000	50000	32525	41000 - 25th %-tile
	---	33900	38256	42736	48911	55481	57204	60075	61154	63401	41950	51792 - Mean
	---	2687	4066	6285	8864	12171	12368	15351	14856	17725	9813	13890 - Std Dev
	0	2	339	473	509	481	338	331	254	151	6	2,876 - Count
Agricultural chemicals	---	---	40000	44400	57750	60000	66375	70000	66500	83250	47300	57000
	---	59000	37700	40750	49000	52800	59000	62000	62400	60700	44000	45400
	---	---	36000	38500	43475	43000	53500	50000	56250	49750	40000	40000
	---	59000	37970	41516	50449	52565	61229	60177	61100	64983	43767	49092
	---	---	2993	4197	9706	11039	13300	15303	13367	18135	3656	12776
	0	1	71	114	96	71	34	31	20	18	3	459
Coatings	---	---	39900	45000	54300	60000	64000	60000	59250	85000	53100	55000
	---	---	38400	41500	49000	54000	54000	50000	49150	65000	36000	46900
	---	---	36450	39250	41000	49000	49000	40400	41250	45000	35000	40000
	---	---	38387	41851	48379	54600	55363	50422	52043	65625	41367	48683
	---	---	3499	4775	9160	7787	11951	17922	15433	19493	10174	12459
	0	0	45	57	70	43	51	41	28	8	3	346
Foods	---	---	38500	45000	53000	57275	60750	72300	72000	76000	---	57750
	---	---	36000	40000	46500	48850	55050	55000	57000	62100	---	47500
	---	---	33000	36300	39400	42000	46375	50000	52000	51250	---	39000
	---	---	35489	40895	49165	49870	55695	60400	57667	58740	---	49752
	---	---	3638	5809	13978	11772	15180	16193	12647	20052	---	14326
	0	0	19	37	41	60	20	27	15	10	0	229
Metals, minerals	---	---	42250	46750	53000	55200	69250	54250	59000	72000	---	55000
	---	---	37400	39750	42400	50400	53250	50000	52250	65700	50000	48250
	---	---	35500	36250	38800	48000	46675	41500	47725	52000	---	39350
	---	---	39556	41046	45950	50596	56000	48585	52293	62925	50000	48368
	---	---	5954	5905	10761	10873	14102	19860	7392	11040	---	12427
	0	0	9	24	20	23	10	13	14	8	1	122
Paper	---	---	40000	45900	51000	60000	63550	68125	55750	78500	---	55000
	---	---	38000	40000	44750	50900	52100	54000	52000	75500	---	47000
	---	---	33125	37550	40750	44850	44250	38250	46250	48500	---	40000
	---	---	37190	42559	45288	52281	52585	48543	55000	65900	---	48276
	---	---	4246	8194	7354	9780	11525	22481	12829	16002	---	13087
	0	0	10	17	26	21	13	14	8	5	0	114
Petroleum	---	---	45000	53600	61250	70000	75000	82375	84500	84250	---	69850
	---	37200	41450	49200	53450	62800	65000	72000	71300	78000	59250	56500
	---	---	37500	43650	47000	56450	58000	62875	62000	70500	---	46000
	---	37200	41744	49241	54991	63671	63922	72508	73111	75117	59250	58366
	---	---	5916	7691	10930	11885	14243	13453	12694	13916	22274	15260
	0	1	70	133	106	84	51	62	37	36	2	582
Pharmaceuticals, personal care	---	---	40000	45000	56000	64850	65000	67000	70000	85000	56850	60000
	---	---	37800	41300	49500	55900	56000	61600	59850	70000	42500	48000
	---	---	36000	38000	43000	48850	50000	50000	49000	54850	34000	40000
	---	---	38098	42165	49954	56728	58099	59112	59700	68738	44450	50712
	---	---	4181	6710	10846	13030	14507	13658	14618	18677	12144	14278
	0	0	217	305	293	222	157	122	84	73	4	1,477
Rubber	---	---	37000	46750	51250	54100	66500	61500	68000	59250	---	55250
	---	37500	35500	41100	48050	50000	54000	53000	57000	50350	---	50000
	---	---	34400	37600	42525	46000	50000	49250	50000	43500	---	42200
	---	37500	35609	42778	46056	50543	59573	55786	57036	51950	---	50432
	---	---	2216	6620	6574	7509	13893	10305	17491	12912	---	11888
	0	1	11	18	18	35	15	28	14	6	0	146
Biochemical products	---	---	38000	42500	53550	67250	82500	77325	85000	88000	---	55000
	---	---	37000	37000	46500	55400	67000	55000	62000	36000	---	44000
	---	---	32000	33550	37450	44450	47650	46575	49500	32300	---	36300
	---	---	35718	37980	47391	60225	64922	60933	65500	52100	---	48466
	---	---	4301	8588	12162	18867	18429	21913	18007	31145	---	17380
	0	0	11	25	22	12	9	6	3	3	0	91
Electronics	---	---	44000	50000	53000	59850	62000	67500	61500	61975	---	55000
	---	32000	40000	45700	47600	53000	55000	60000	57650	50000	45900	48000
	---	---	38000	40000	42625	45000	43000	50850	51700	46250	---	42000
	---	32000	41225	45804	48432	52763	53881	56832	56592	52692	45900	49063
	---	---	4557	7420	9261	9333	11195	13756	7632	9443	12869	10047
	0	1	53	81	72	54	27	25	24	12	2	351
Other manufactures	---	---	40000	46725	53000	59000	60250	61750	65000	62000	55000	56000
	---	35500	37800	42000	48000	51000	54000	51200	55500	59000	53000	48000
	---	---	35325	38000	42000	44000	46000	45000	49000	47400	50000	40000
	---	35500	37708	42588	48158	51442	52941	52727	55637	54456	52667	48606
	---	707	4029	6694	8285	10637	11362	11243	10433	12516	2517	10739
	0	2	120	206	242	237	137	128	83	58	3	1,208
Non-Mfg	---	---	42000	47000	52900	56200	58200	64250	57825	57750	---	93000
	---	36000	39000	40350	45800	50000	49000	51750	50500	50000	60000	45000
	---	---	36000	36000	38100	42375	44775	42750	41775	41650	---	38800
	---	36000	39161	41496	45580	49108	50012	52976	49550	47818	60000	46001
	---	---	5709	7616	11267	12022	11216	13282	10469	15719	---	11383
	0	1	49	90	103	62	34	46	28	17	1	431
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	3	0	0	0	0	0	0	0	0	0
TOTAL	---	37350	40000	47000	54925	61650	64800	68750	69000	76900	54050	59000
	---	36000	38000	42000	48450	54000	56000	58700	58000	62000	45000	49000
	---	33500	36000	38500	42000	46900	49000	49875	50000	50000	36400	40025
	---	37833	38474	42975	49080	54477	56765	58354	59359	63090	46528	50704
	---	8181	4435	6905	9910	12108	13130	15424	14340	17848	10624	13515
	0	9	1,024	1,580	1,618	1,405	888	874	612	397	25	8,432

Table 2.4.6

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
REGION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Pacific	---	---	41000	49000	56000	64625	68750	71850	68500	79875	---	60000 - 75th %-tile
	---	---	38000	43000	49800	54000	57800	60000	57600	70000	55000	50000 - 50th %-tile
	---	---	36000	39750	43225	48000	50000	50400	50000	53000	---	41850 - 25th %-tile
	---	---	38468	43832	49781	55445	58673	61055	59981	66293	55000	51486 - Mean
	---	---	4945	7125	10896	13428	13243	17016	14035	18092	---	14064 - Std Dev
	0	0	76	169	162	116	73	73	54	28	1	752 - Count
Mountain	---	---	37200	44300	54125	55000	59000	71500	60075	78000	---	56300
	---	---	33000	39000	47950	49600	51500	51000	55000	72000	36800	45900
	---	---	32100	34700	40950	41600	43250	40000	45575	57600	---	38400
	---	---	34700	39530	49341	48531	51710	55080	53640	68640	36800	48676
	---	---	2848	8758	12174	10929	10896	19895	10918	10666	---	13573
	0	0	7	23	22	26	21	15	10	5	1	130
W.N. Central	---	---	40000	45000	54000	61275	65000	72750	65000	76000	---	58000
	---	---	38500	41000	48000	55000	58000	60000	54250	61000	50000	46000
	---	---	36500	38600	43000	48000	48975	46700	48125	53000	---	40000
	---	---	38317	41661	48884	54493	57521	59544	57273	64783	50000	49436
	---	---	5141	5708	9763	10702	11798	17899	14278	17948	---	13182
	0	0	75	107	102	68	48	32	40	23	1	496
W.S. Central	---	---	42000	49650	55000	64625	69250	73500	80550	80000	75000	60000
	---	36000	38500	43900	50000	57900	60000	65000	63800	74000	43500	50000
	---	---	36000	40000	42000	48950	49250	54000	57750	56875	32700	42000
	---	36000	39011	44875	49643	56787	58544	63763	66263	70427	50400	52650
	---	---	4414	7910	9578	13200	15365	13580	18582	15087	21978	14722
	0	1	74	137	108	110	50	59	46	22	3	610
E.N. Central	---	---	40000	46000	55000	61900	63000	63400	70000	75750	58250	57000
	---	45500	37300	41000	48100	53000	54000	55000	56800	55450	49000	48000
	---	---	35750	38200	42000	46250	47200	49375	48100	45000	35250	40000
	---	45500	38073	42471	49019	54312	55827	56756	58363	59347	47500	49822
	---	19092	4093	6553	9869	11771	13671	14126	14589	18547	12014	13046
	0	2	249	331	338	329	204	178	120	72	4	1,827
E.S. Central	---	---	40600	45000	54975	53750	66000	61575	64000	71250	---	55150
	---	---	37700	41500	46650	48000	54000	50550	55000	54500	36000	47000
	---	---	34000	36000	42625	42000	45000	44150	54000	49575	---	40900
	---	---	37482	40800	48538	48803	55820	50850	59046	59350	36000	49193
	---	---	4599	5804	7564	10572	14329	12456	12804	11889	---	11989
	0	0	11	34	32	36	25	16	13	14	1	182
Mid-Atlantic	---	---	40750	48000	55000	62000	65000	69275	69000	79000	53750	60000
	---	37200	38300	43000	49600	54500	57000	59550	58000	64000	46150	50000
	---	---	36000	38700	43000	47500	50075	50000	50000	50200	41000	41000
	---	37200	38966	43712	49656	55361	58117	59082	60086	63795	47763	51529
	---	---	4892	7007	9976	12037	12439	15322	13623	19013	7269	13688
	0	1	325	448	477	386	270	282	167	139	8	2,503
So. Atlantic	---	---	40000	45225	52225	60000	64400	66900	65550	77525	---	58000
	---	35400	38200	40950	47000	54000	55100	58000	57300	61400	32000	48000
	---	---	36000	37700	41250	47000	49000	50000	49500	48000	---	40000
	---	35400	38156	41660	47199	53545	56622	57907	57809	63265	32000	49930
	---	566	2890	6604	9521	11802	12696	15764	12985	16890	---	13297
	0	2	133	208	212	195	116	132	97	46	1	1,142
New England	---	---	41400	46400	54925	63000	60000	68000	67400	66700	---	58175
	---	34000	38000	43000	48000	53500	52000	55000	60000	55000	52050	48450
	---	---	35600	40000	42000	46000	40000	46400	50000	45000	---	41000
	---	34000	38575	43582	49060	54819	52093	55803	58839	58351	52050	50456
	---	2828	4539	6275	9690	12335	13491	15617	14994	17091	1485	13113
	0	2	63	97	138	102	58	69	54	35	2	620
No Response	---	---	39600	45000	55000	56000	64000	67750	65000	79000	55000	59250
	---	37500	36500	40800	47000	50000	54000	52250	56000	68000	36000	48850
	---	---	35000	35000	43000	40000	50000	45000	55000	59500	35000	40225
	---	37500	37164	40669	49244	50446	55883	54389	56627	67992	42000	50570
	---	---	2683	6229	9034	10619	12482	13711	10921	12917	11269	12761
	0	1	11	26	27	37	23	18	11	13	3	170
TOTAL	---	37350	40000	47000	54925	61650	64800	68750	69000	76900	54050	59000
	---	36000	38000	42000	48450	54000	56000	58700	58000	62000	45000	49000
	---	33500	36000	38500	42000	46900	49000	49875	50000	50000	36400	40025
	---	37833	38474	42975	49080	54477	56765	58354	59359	63090	46528	50704
	---	8181	4435	6905	9910	12108	13130	15424	14340	17848	10624	13515
	0	9	1,024	1,580	1,618	1,405	888	874	612	397	25	8,432

Table 3.1.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	35000	40000	41000	57000	64000	74000	63000	58500	---	59000	- 75th %-tile
	---	24450	31500	39000	33700	50000	46400	63500	55600	56800	---	48600	- 50th %-tile
	---	---	28225	35700	28000	44000	45000	48000	54250	41500	---	39000	- 25th %-tile
	---	24450	31575	38233	34233	50511	53314	62020	58775	51360	---	50345	- Mean
	---	778	3576	2250	6516	9201	14494	14421	14666	9041	---	15326	- Std Dev
	0	2	4	3	3	9	7	10	8	5	0	51	- Count
Basic Research	20650	24075	31000	34000	34800	42600	45300	41000	46050	65100	---	41000	
	17800	18500	27000	28000	28000	37500	40550	39000	42000	51500	---	34100	
	13900	16875	18000	25000	19600	35250	35850	34300	37000	37250	---	24775	
	17460	22010	25000	29060	27978	38642	40600	38409	42211	49100	---	33213	
	3601	9592	6733	5678	9076	3969	6354	3979	7003	19617	---	11482	
	5	10	7	15	8	12	8	11	9	6	0	92	
Applied R&D	---	24025	31300	39000	39800	43500	50450	48000	53650	67500	---	45000	
	14500	21500	26000	36000	35000	35950	43900	43250	47300	54000	---	36000	
	---	17875	21250	28800	31000	31225	37500	37250	41050	41100	---	27950	
	14500	20840	26431	34238	34927	36933	43862	43317	46469	54200	---	36591	
	---	3871	6036	8159	7006	6386	7360	8427	9896	13201	---	11449	
	1	10	13	13	11	12	13	12	13	3	0	101	
General Mgt	---	---	30375	34950	46250	47750	44675	55000	53750	56000	---	45600	
	49050	17800	25950	32250	34000	42000	42500	47000	40950	42000	---	39000	
	---	---	23775	26650	29000	31950	39100	36000	39000	36000	---	31125	
	49050	17800	26517	32250	37012	40209	42917	51182	48157	43786	---	39746	
	36699	---	3859	6302	10085	8216	10547	18717	18028	13583	---	13386	
	2	1	6	28	17	22	18	11	14	7	0	126	
Marketing	---	26400	---	---	---	39000	---	---	---	---	---	38500	
	30300	24500	25000	24000	36000	29000	80000	88000	---	38000	---	29000	
	---	16000	---	---	---	21000	---	---	---	---	---	24250	
	30300	22300	25000	24000	36000	29667	80000	88000	---	38000	---	36708	
	---	5538	---	---	---	9018	---	---	---	---	---	22065	
	1	3	1	1	1	3	1	1	0	1	0	13	
Prod & QC	28700	26400	28550	33000	34000	46600	29750	---	48000	---	---	31375	
	17600	21400	24700	29000	30000	34000	28500	38600	39000	24300	---	28000	
	13000	17500	20500	24300	22075	26150	28000	---	29500	---	---	21600	
	19833	22373	24247	29291	28375	35611	28750	38600	38800	24300	---	27816	
	8045	5733	4944	4680	6653	12153	957	10041	9284	12304	---	8538	
	3	15	17	11	12	9	4	2	5	2	0	80	
Forensic	17250	20600	27750	34000	33400	41000	41000	41000	36775	50000	---	32900	
	15600	19000	22300	28700	28900	32000	35200	34000	31950	37800	---	26000	
	14750	16300	20000	24000	25000	25000	30500	26000	25350	29200	---	20500	
	15920	19279	23884	29266	29126	33576	35854	34118	31275	39240	---	27223	
	1287	4010	4752	5725	7099	10521	7860	9498	7010	13343	---	8554	
	5	39	57	41	31	21	13	11	8	5	0	231	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	40600	
	---	---	---	38500	38000	---	---	---	27000	41300	---	38250	
	---	---	---	---	---	---	---	---	---	---	---	29750	
	---	---	---	38500	38000	---	---	---	27000	41300	---	36200	
	---	---	---	---	---	---	---	---	---	---	---	6303	
	0	0	0	1	1	0	0	0	1	1	0	4	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	41750	
	14000	---	26000	34000	27000	33000	44100	41000	---	---	---	30500	
	---	---	---	---	---	---	---	---	---	---	---	24500	
	14000	---	26000	34000	27000	33000	44100	41000	---	---	---	31513	
	---	---	---	---	---	12728	---	---	---	---	---	10546	
	1	0	1	1	1	2	1	1	0	0	0	8	
Consulting	---	---	30000	40000	---	---	---	---	---	---	---	38500	
	---	20600	27700	30500	---	35250	31550	---	---	29400	---	30000	
	---	---	21600	29000	---	---	---	---	---	---	---	21800	
	---	20600	26433	33167	---	35250	31550	---	---	29400	---	30138	
	---	---	4341	5965	---	2475	13506	---	---	27436	---	10276	
	0	1	3	3	0	2	2	0	0	2	0	13	
Other	---	26000	32350	32000	38000	44500	51250	51750	44950	34300	---	38000	
	---	22000	27650	28000	31700	29000	40000	43500	32650	27000	---	30000	
	---	17700	22300	22600	25000	22850	23500	37250	23000	26300	---	23500	
	---	21773	27181	27893	31060	32740	38250	44157	34400	29200	---	31389	
	---	6361	6993	8552	7438	12504	14477	9227	13480	4431	---	10884	
	0	11	16	15	15	5	4	14	8	3	0	91	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
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	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	21525	23850	30000	34800	36450	44100	46400	52500	49825	56800	---	40000	
	17250	20000	24700	30000	31000	37000	41100	41500	41100	41300	---	31500	
	14500	17525	21000	26000	25250	30150	34000	36000	33450	34300	---	24000	
	21294	20758	25142	30570	31467	37741	41718	45551	43558	42600	---	33288	
	14308	5442	5406	6628	8242	9932	11663	14668	14570	15386	---	12834	
	18	92	125	132	101	97	71	73	66	35	0	810	

Table 3.1.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	---	40750	52000	51000	58000	65000	78500	75450	---	62000 - 75th %-tile
	---	---	---	35600	40000	43900	53000	60000	55000	41000	---	49000 - 50th %-tile
	---	---	---	28050	27000	38500	47500	46000	44000	33000	---	38000 - 25th %-tile
	---	---	---	34640	39957	46629	55971	56055	61900	51580	---	51033 - Mean
	---	---	---	6992	12032	9503	17233	13089	20329	22138	---	16863 - Std Dev
	0	0	0	5	7	7	7	11	9	5	0	51 - Count
Basic Research	---	---	32250	34450	36800	48075	41100	48000	81750	57600	---	42300
	---	24000	29000	28900	31600	40550	39000	45100	44500	51500	---	36800
	---	---	21750	23500	27000	33750	33000	38000	35000	40000	---	29000
	---	24000	28525	28667	32482	40175	37045	43229	53750	49700	---	36918
	---	---	7516	6419	7739	8017	7570	6076	26875	9478	---	11687
	0	1	8	9	11	12	11	7	4	4	0	67
Applied R&D	---	29700	28200	39750	41125	45100	49250	53675	50000	56000	---	48000
	---	26500	24350	34700	36600	37900	41000	47000	48950	48700	---	40000
	---	17400	19000	30025	30250	31600	40000	41750	41250	46000	---	32000
	---	24533	23883	34075	36792	37955	44638	47110	47219	50233	---	39920
	---	6381	4321	6155	7780	6872	8150	6407	7223	5173	---	9939
	0	3	6	16	12	11	16	10	16	3	0	93
General Mgt	---	---	36750	41000	46700	54100	47250	75500	66000	55500	---	50000
	---	25000	31600	33500	40000	45000	45000	52500	45000	48600	---	41900
	---	---	26675	30000	33500	32250	39025	40000	33250	40900	---	33000
	---	25000	31675	34647	40353	43664	43040	54675	51300	48280	---	43199
	---	---	5594	7847	10180	12551	7901	18711	21762	7698	---	14265
	0	1	4	15	17	14	10	12	9	5	0	87
Marketing	---	---	---	---	---	---	---	---	---	---	---	28000
	---	---	28000	20000	---	---	24000	---	---	---	---	24000
	---	---	---	---	---	---	---	---	---	---	---	20000
	---	---	28000	20000	---	---	24000	---	---	---	---	24000
	---	---	---	---	---	---	---	---	---	---	---	4000
	0	0	1	1	0	0	1	0	0	0	0	3
Prod & QC	---	---	29000	33175	35300	---	---	32550	38550	---	---	33700
	---	---	24000	28500	29000	45500	23500	27000	36450	---	---	28300
	---	---	21800	26000	23600	---	---	25250	30150	---	---	24000
	---	---	25086	29350	30143	45500	23500	28520	35050	---	---	29777
	---	---	4703	4707	8078	9192	4950	3909	4698	---	---	7204
	0	0	7	8	7	2	2	5	4	0	0	35
Forensic	---	26500	28575	34400	37300	40000	34000	46700	49750	41000	---	36575
	---	23700	23000	29000	30000	36000	33000	41000	36500	32000	38000	30000
	---	15000	21475	25450	28000	33000	26300	36500	29000	20000	---	26000
	---	21733	24063	29559	32829	36853	30671	42114	38667	31000	38000	31686
	---	5997	4516	5494	7810	8493	6443	6915	11057	10536	---	8489
	0	3	16	29	21	15	7	7	6	3	1	108
Writing/ Editing	---	---	---	41000	---	---	---	46600	---	---	---	41000
	---	21800	33500	40000	---	43800	39000	39500	55800	33500	---	39000
	---	---	---	36000	---	---	---	24750	---	---	---	33500
	---	21800	33500	39000	---	43800	39000	36950	55800	33500	---	37280
	---	---	2121	2646	---	---	---	12128	---	0	---	9080
	0	1	2	3	0	1	1	4	1	2	0	15
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	33450	---	---	---	---	---	---	33450
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	33450	---	---	---	---	---	---	33450
	---	---	---	---	19445	---	---	---	---	---	---	19445
	0	0	0	0	2	0	0	0	0	0	0	2
Consulting	---	24000	---	37600	---	---	---	---	---	---	---	43000
	---	21800	---	28500	25000	---	46000	43350	35750	---	---	25000
	---	17800	---	22575	---	---	---	---	---	---	---	21600
	---	21200	---	30050	25000	---	46000	43350	35750	---	---	31540
	---	3143	---	8156	---	---	---	31608	22981	---	---	14091
	0	3	0	6	1	0	1	2	2	0	0	15
Other	---	---	37000	39175	44000	38000	40000	43050	45600	27000	---	38550
	---	23900	24950	32000	37900	29000	32000	27600	38000	24700	---	31600
	---	---	21150	25750	24000	25500	25000	24000	25050	24000	---	24350
	---	23900	27350	32379	35673	31462	34773	31550	35860	25233	---	32323
	---	8627	7991	7504	9981	8355	13466	10845	12484	1570	---	9746
	0	2	6	14	11	13	11	4	5	3	0	69
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	3	0	0	0	0	9
TOTAL	---	26500	29250	36900	41000	45000	47000	54000	55000	55000	---	45000
	---	23850	26700	31550	34000	39000	40000	45550	46500	41000	38000	35800
	---	17800	22000	26225	28000	32000	33000	36000	36075	32750	---	28100
	---	22929	26358	31686	35384	39119	40255	45879	47645	43380	38000	37455
	---	4617	5957	6816	9478	9970	12347	14703	17129	14645	---	12971
	0	14	50	106	89	75	67	62	56	25	1	545

Table 3.1.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1985 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS										TOTAL	
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	
Mgt-R&D	---	---	---	52500	56500	57300	66250	71625	75000	75000	---	67325 - 75th %-tile
	---	63050	32000	47000	50000	52000	61450	64200	67000	66500	---	57800 - 50th %-tile
	---	---	---	40000	44125	43000	52000	57875	58000	57600	---	49900 - 25th %-tile
	---	63050	32000	46589	52380	51046	61755	66020	66268	63650	---	58966 - Mean
	---	5020	---	7396	12249	10139	13582	13211	11314	16244	---	14031 - Std Dev
	0	2	1	9	44	88	42	50	47	26	0	286 - Count
Basic Research	---	---	35175	43050	46300	51250	55400	62000	66775	67900	---	55000
	---	---	33250	37500	42000	46250	50000	54100	60000	52000	45000	46100
	---	---	30000	32450	36550	41000	40200	48500	51125	48800	---	38750
	---	---	33147	37462	41932	47341	48643	54248	58965	58529	45000	47320
	---	---	5381	6457	7454	8656	9567	10816	10157	14049	0	12049
	0	0	38	58	73	86	69	67	48	35	2	476
Applied R&D	---	---	41400	44000	44700	51650	57300	59125	57700	61750	---	53000
	---	---	34000	39000	40000	44700	50000	53150	54300	48800	58000	45000
	---	---	32050	35000	36900	40000	43500	45775	48900	45250	---	39000
	---	---	35924	39003	40393	46333	51149	53207	56674	51353	58000	46442
	---	---	5938	6788	5954	9084	10877	10550	14128	9461	---	11270
	0	0	25	35	55	54	41	44	27	17	1	299
General Mgt	---	---	---	41300	53300	56225	58500	67000	69000	64750	---	56825
	---	---	---	37500	45000	47000	50000	50000	50000	51250	---	46500
	---	---	---	32175	40000	40325	42600	41000	33200	37500	---	40000
	---	---	---	38900	45941	51817	51894	53709	52064	51150	---	49559
	---	---	---	8488	12527	17036	11872	14763	18517	15384	---	14666
	0	0	0	8	27	24	17	11	11	10	0	108
Marketing	---	---	---	---	---	---	---	---	---	---	---	50000
	---	---	---	---	20200	---	63450	37600	37050	50000	---	46600
	---	---	---	---	---	---	---	---	---	---	---	27500
	---	---	---	---	20200	---	63450	37600	37050	50000	---	44114
	---	---	---	---	---	---	19163	---	13506	---	---	18467
	0	0	0	0	1	0	2	1	2	1	0	7
Prod & QC	---	---	---	---	---	---	---	---	---	---	---	40000
	---	---	---	28400	---	40000	24600	31500	83100	---	---	35800
	---	---	---	---	---	---	---	---	---	---	---	24600
	---	---	---	28400	---	40000	24600	31500	83100	---	---	38214
	---	---	---	10465	---	---	---	9192	---	---	---	21135
	0	0	0	2	0	1	1	2	1	0	0	7
Forensic	---	---	35250	32600	38050	42050	42000	49000	51100	---	---	41125
	---	---	31800	28150	30500	35400	34000	43500	34900	57000	---	33200
	---	---	25875	26075	27450	29500	32500	35800	28450	---	---	28000
	---	---	31017	29725	32662	36272	35736	42620	38150	57000	---	34845
	---	---	7316	4815	6539	9380	6430	6969	12293	---	---	8376
	0	0	6	8	21	18	11	5	4	1	0	74
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	48800
	---	---	---	---	35000	42500	41300	40000	---	52500	---	40000
	---	---	---	---	---	---	---	---	---	---	---	36000
	---	---	---	---	35000	42500	41300	40000	---	52500	---	43067
	---	---	---	---	---	17678	1838	1556	---	21920	---	11552
	0	0	0	0	1	2	2	2	0	2	0	9
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	39450	---	---	---	---	---	39450
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	39450	---	---	---	---	---	39450
	---	---	---	---	---	3606	---	---	---	---	---	3606
	0	0	0	0	0	2	0	0	0	0	0	2
Consulting	---	---	---	---	---	61500	---	---	64750	65000	---	61250
	---	---	---	---	48000	51000	40000	48000	52500	41700	---	48000
	---	---	---	---	---	34000	---	---	42500	33000	---	40850
	---	---	---	---	48000	48833	40000	48000	53250	46567	---	48862
	---	---	---	---	---	13877	---	---	12038	16546	---	11329
	0	0	0	0	1	3	1	1	4	3	0	13
Other	---	---	38000	44750	42750	51000	47550	54400	56500	51800	---	50000
	---	---	31500	41500	37750	43000	43500	50400	51800	39000	---	43000
	---	---	26400	27125	30400	39000	36750	42900	44800	24000	---	34900
	---	---	31967	37250	36439	42547	42292	48000	53290	39029	---	41993
	---	---	5814	10381	9001	12148	7551	9882	13902	15003	---	11867
	0	0	3	6	18	15	13	9	10	7	0	81
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	---	36000	43600	47200	53500	57600	64000	68000	67000	58000	57000
	---	63050	33000	38000	42000	46000	50000	55000	58000	54400	45000	47000
	---	---	31200	32600	36700	40000	42000	47000	49000	47375	45000	39475
	---	63050	33859	37988	42625	47320	50987	55944	59114	56008	49333	48668
	---	5020	5823	7565	10574	10988	12785	13246	13783	15396	7506	13863
	0	2	73	126	241	270	199	192	154	102	3	1,362

Table 4.1.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS in COLLEGE/UNIVERSITY
by TYPE OF INSTITUTION and ACADEMIC RANK
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	ACADEMIC RANK								
SCHOOL	Professor	Associate	Assistant	Instr.	Res. Assoc.	Unranked	No Response	TOTAL	
High school	---	---	---	---	---	---	---	---	- 75th %-ile
	---	---	---	---	---	---	---	---	- 50th %-ile
	---	---	---	---	---	---	---	---	- 25th %-ile
	---	---	---	---	---	---	---	---	- Mean
	---	---	---	---	---	---	---	---	- Std Dev
	0	0	0	0	0	0	0	0	- Count
Medical or prof. school	52050	45000	38000	35500	35000	45722	38745	47375	
	49000	40394	33000	30000	26750	40333	33500	40000	
	43900	37700	29600	25000	22000	33000	23950	30850	
	46950	40772	33667	30639	28645	39382	32888	38730	
	8554	6726	6193	8183	8851	10174	9862	10242	
	150	130	89	59	54	41	9	532	
Associate	46444	41281	28111	37278	---	41861	---	42275	
	40211	34222	25056	30278	---	37889	---	36667	
	35444	29333	22887	22458	---	30050	---	30000	
	40410	35038	26076	29519	---	36773	---	36168	
	7758	7272	4637	11713	---	7863	---	8824	
	84	54	24	14	0	66	0	242	
Bachelors	45100	36025	28722	25912	23000	24750	---	40333	
	39111	31228	25667	24444	21000	23773	32445	33611	
	34222	27500	23222	21745	20000	18975	---	27622	
	39621	31915	26381	24822	21333	21593	32445	34553	
	7732	6018	4315	5500	1528	5853	7857	8711	
	675	356	240	41	3	6	2	1,323	
Masters	48889	39111	31778	26584	47350	---	---	46444	
	44122	35689	28722	24444	29622	26500	---	39722	
	39922	33000	26278	21011	15500	---	---	33000	
	44260	36090	28855	24711	31507	26500	---	39564	
	6852	4855	3253	6069	16348	---	---	8836	
	405	141	97	21	6	1	0	671	
Doctorate	51944	42778	33794	33000	32475	51500	43250	47667	
	48000	38800	30922	26889	28000	49000	33700	39439	
	42778	34222	28783	23750	20000	44000	23600	31778	
	46621	38789	31656	28491	27176	48175	33059	39116	
	7677	6277	4610	7337	8888	4817	9546	10146	
	901	497	397	126	190	8	17	2,136	
No Response	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	
TOTAL	50000	[illegible]	33000	32200	33000	44000	39900	45222	
	44367	[illegible]	29333	26278	27500	39111	33600	37889	
	39111	31778	26278	23000	20000	30050	24872	30556	
	43843	36435	29894	28151	27523	37567	32960	37759	
	8223	6955	5289	7709	9066	9631	9227	9767	
	2,215	1,178	847	261	253	122	28	4,904	

Table 4.1.2

SALARIES OF FULL-TIME EMPLOYED Ph.D. ACADEMIC CHEMISTS TEACHING 1/2 TIME OR MORE
according to YEARS SINCE B.S. and ACADEMIC RANK
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	ACADEMIC RANK								
YEARS SINCE BS	Professor	Associate	Assistant	Instr.	Res. Assoc.	Unranked	No Response	TOTAL	
0-1	---	---	---	---	---	---	---	---	- 75th %-ile
	---	---	---	---	---	---	---	---	- 50th %-ile
	---	---	---	---	---	---	---	---	- 25th %-ile
	---	---	---	---	---	---	---	---	- Mean
	---	---	---	---	---	---	---	---	- Std Dev
	0	0	0	0	0	0	0	0	- Count
2-4	---	---	---	---	---	---	---	---	
	---	---	26889	---	---	---	---	26889	
	---	---	---	---	---	---	---	---	
	---	---	26889	---	---	---	---	26889	
	---	---	---	---	---	---	---	---	
	0	0	1	0	0	0	0	1	
5-9	---	---	29884	25667	---	26108	---	29333	
	---	37889	27500	23528	---	23467	---	26278	
	---	---	24444	21114	---	18333	---	24000	
	---	37889	27726	23392	---	22636	---	26963	
	---	13828	4787	2785	---	4129	---	5055	
	0	2	125	28	0	4	0	159	
10-14	49500	34750	30556	26125	---	31350	---	32000	
	40822	32572	27439	24444	24444	24078	---	27806	
	32556	28020	25056	22708	---	20103	---	24983	
	40986	32276	28009	24091	24444	24192	---	28629	
	9291	5900	4464	3415	---	7254	---	5723	
	5	84	208	40	1	12	0	350	
15-19	44000	37792	30556	27500	38000	37003	---	36667	
	37889	32633	28295	25667	30800	30350	---	31533	
	31778	28966	25117	22153	29000	24444	---	27000	
	37127	33249	28108	25790	32600	31014	---	32226	
	6894	6390	4595	4778	4762	7457	---	7211	
	73	228	108	18	3	26	0	456	
20-24	46017	38042	31320	32925	---	40180	37889	42000	
	40000	34222	28111	28417	---	36667	26889	36667	
	35109	30556	25500	24942	---	30189	17000	31167	
	40302	34492	28203	29478	---	35666	27259	36904	
	7288	5755	4685	6700	---	7429	10449	7672	
	352	238	46	20	0	36	3	695	
25-29	47667	40761	32908	38500	---	42014	---	45222	
	42778	36667	28722	28845	---	37278	29333	40333	
	37278	33000	25667	24597	---	30667	---	35444	
	41855	36884	28179	32579	---	35303	29333	39885	
	7987	6212	4695	11335	---	8285	---	8294	
	391	125	16	12	0	24	1	569	
30-34	48889	42000	35200	37333	---	41555	---	47667	
	42778	37278	33000	29945	27334	37200	---	40944	
	37889	34222	26889	25055	---	29945	---	36667	
	43232	37742	32211	30843	27334	35898	---	41399	
	7507	6375	6662	6010	13200	6599	---	7937	
	337	85	11	8	2	17	0	460	
35-39	50000	43145	32756	39111	---	47850	---	48889	
	45222	39172	29333	30000	---	39722	38134	43144	
	39111	34497	25222	10500	---	35139	---	37278	
	43985	38885	29221	25844	---	40423	38134	42540	
	7957	6843	4230	15718	---	10187	2074	8694	
	251	36	9	5	0	9	2	312	
>=40	50111	42961	33000	---	---	53242	---	50000	
	46100	40106	27500	---	---	39261	---	44000	
	40333	34864	26889	---	---	34131	---	39111	
	44939	38442	29130	---	---	42211	---	43874	
	7762	5480	3366	---	---	10593	---	8010	
	160	22	3	0	0	4	0	189	
No Response	54489	33611	---	---	---	---	---	50750	
	50000	29333	29333	23000	---	---	---	32084	
	36667	29333	---	---	---	---	---	29333	
	46462	30759	29333	23000	---	---	---	37692	
	10154	2470	---	---	---	---	---	11734	
	5	3	1	1	0	0	0	10	
TOTAL	48889	39111	30556	28081	37000	40333	38317	43633	
	42778	34467	27995	25483	29900	34222	33000	36667	
	36667	30556	25056	22611	22833	26000	24417	30000	
	42248	34913	28099	26230	29485	33799	31230	36975	
	7972	6433	4646	6681	7528	8796	8589	9151	
	1,574	823	528	132	6	132	6	3,201	

Table 4.1.3

SALARIES OF FULL-TIME EMPLOYED Ph.D. ACADEMIC CHEMISTS 1/2 TIME OR MORE RESEARCH APPOINTMENT
according to YEARS SINCE B.S. and ACADEMIC RANK
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	ACADEMIC RANK								
YEARS SINCE BS	Professor	Associate	Assistant	Instr.	Res. Assoc.	Unranked	No Response	TOTAL	
0-1	---	---	---	---	---	---	---	---	- 75th %-tile
	---	---	---	---	---	---	---	---	- 50th %-tile
	---	---	---	---	---	---	---	---	- 25th %-tile
	---	---	---	---	---	---	---	---	- Mean
	---	---	---	---	---	---	---	---	- Std Dev
	0	0	0	0	0	0	0	0	- Count
2-4	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	
5-9	---	---	33556	25973	25750	---	---	33000	
	---	42167	30922	24933	19500	24500	---	29333	
	---	---	28356	20000	16000	---	---	24225	
	---	42167	31609	22991	21482	24500	---	28369	
	---	7778	4959	4691	7113	13435	---	7440	
	0	2	109	13	44	2	0	170	
10-14	51944	42389	34772	30000	31500	---	---	36000	
	47090	36000	31778	25422	26000	38650	---	31778	
	38133	33856	29000	23000	20300	---	---	28000	
	42398	37703	32109	26903	26307	38650	---	31943	
	13333	6565	4420	5958	7688	1909	---	7194	
	7	77	189	41	63	2	0	379	
15-19	49623	42778	36055	32000	35000	51000	---	42778	
	46139	39111	32822	28000	30000	40200	37000	36600	
	40389	34069	29333	23500	24000	33000	---	30961	
	44658	38734	33364	28324	29416	41640	37000	36551	
	9379	6556	6248	6390	7759	9064	9899	8736	
	56	154	75	26	51	5	2	369	
20-24	51578	42778	35861	40000	35500	51278	47500	48889	
	48000	40000	30400	33000	27000	48400	38500	42000	
	43000	35486	29536	26000	22000	41778	22825	35433	
	47066	39561	32235	34201	29405	46902	36275	41253	
	6417	5856	5118	8655	9229	4910	13331	9227	
	175	102	28	23	37	5	4	374	
25-29	52541	43000	39000	39917	38000	50834	---	50000	
	47667	38000	30000	29789	28000	42000	22000	44000	
	41850	34222	29333	23025	23000	33667	---	37000	
	45997	38626	32778	31192	29247	42200	22000	42598	
	9497	6257	5399	9771	10089	10046	---	10400	
	156	47	3	8	15	5	1	235	
30-34	53778	45222	---	---	40000	50208	---	52647	
	50000	39000	37900	31600	30100	45722	---	47606	
	44978	34344	---	---	25000	40800	---	40000	
	48093	39299	37900	31600	32227	45913	---	45339	
	7980	8124	---	2828	10729	6572	---	9454	
	123	27	1	2	11	6	0	170	
35-39	51333	48250	---	51333	46250	---	---	50111	
	47667	42778	---	40333	29850	42034	33500	45900	
	42100	32625	---	17000	22875	---	---	40333	
	46217	40871	---	36222	31600	42034	33500	43904	
	7686	8451	---	17532	15013	1367	---	9803	
	85	12	0	3	10	2	1	113	
>=40	53389	45000	---	---	38250	---	---	52000	
	49378	36422	---	38539	27500	48100	---	48000	
	41800	29750	---	---	16250	---	---	37314	
	46596	37184	---	38539	28200	48100	---	43690	
	9894	8298	---	10662	14741	10041	---	12005	
	65	5	0	2	10	2	0	84	
No Response	---	---	---	---	---	---	---	45072	
	46000	42289	29333	---	26500	---	---	35811	
	---	---	---	---	---	---	---	27208	
	46000	42289	29333	---	26500	---	---	36031	
	---	---	---	---	---	---	---	9561	
	1	1	1	0	1	0	0	4	
TOTAL	52000	42778	34522	33000	33000	49200	43000	46444	
	48000	39000	31656	28000	26700	42000	35250	38000	
	43000	34222	29000	23875	20000	38650	24000	30556	
	46602	38836	32224	29012	27308	42612	34325	38113	
	8373	6539	5009	7970	9237	8950	10778	10455	
	668	427	406	118	242	29	8	1,898	

Table 4.1.4

SALARIES OF FULL-TIME EMPLOYED Ph.D. ACADEMIC CHEMISTS 1/2 TIME OR MORE
ADMINISTRATIVE ASSIGNMENT
According to YEARS SINCE B.S. and ACADEMIC RANK
1985 Survey of ACS Member (academic year salaries multiplied by 11/9)

	ACADEMIC RANK								
YEARS SINCE BS	Professor	Associate	Assistant	Instr.	Res. Assoc.	Unranked	No Response	TOTAL	
0-1	---	---	---	---	---	---	---	---	- 75th %-tile
	---	---	---	---	---	---	---	---	- 50th %-tile
	---	---	---	---	---	---	---	---	- 25th %-tile
	---	---	---	---	---	---	---	---	- Mean
	---	---	---	---	---	---	---	---	- Std Dev
	0	0	0	0	0	0	0	0	- Count
2-4	---	---	---	---	---	---	---	---	
	55000	---	---	---	---	---	---	55000	
	---	---	---	---	---	---	---	---	
	55000	---	---	---	---	---	---	55000	
	---	---	---	---	---	---	---	---	
	1	0	0	0	0	0	0	1	
5-9	---	---	35278	---	---	---	---	31100	
	---	---	30556	---	31100	25000	---	30556	
	---	---	25600	---	---	---	---	25000	
	---	---	30462	---	31100	25000	---	29773	
	---	---	6054	---	---	---	---	5385	
	0	0	5	0	1	1	0	7	
10-14	---	39233	39000	39600	36750	---	---	38750	
	---	29578	30000	35500	30000	33500	32000	30278	
	---	28500	28445	21750	22150	---	---	28770	
	---	32437	32148	32283	29560	33500	32000	31774	
	---	5910	6735	9938	8145	4950	---	6766	
	0	3	9	4	5	2	1	24	
15-19	49950	42084	36250	40000	---	44000	---	41050	
	39984	39111	31778	39000	38050	34222	37000	37900	
	38575	32939	30739	25500	---	32500	---	32625	
	41999	39062	33151	35500	38050	37918	37000	37932	
	8037	7459	2997	7478	354	9206	1414	7501	
	8	9	5	7	2	11	2	44	
20-24	50000	44733	---	49550	---	47000	---	49275	
	45000	40000	---	42167	30000	39111	44250	43134	
	42000	35111	---	34758	---	30000	---	38347	
	45352	39457	---	42158	30000	38413	44250	43041	
	6027	8646	---	7700	2828	11710	1061	7785	
	63	24	0	4	2	7	2	102	
25-29	52000	49609	---	---	---	51944	---	51900	
	47100	42250	44000	36000	38250	32000	27000	45222	
	39239	36750	---	---	---	21500	---	38000	
	44370	41509	44000	36000	38250	35778	27000	43099	
	10753	11362	---	---	354	15700	---	11073	
	69	12	1	1	2	5	1	91	
30-34	52375	43334	---	---	---	46444	45222	50125	
	46000	36000	---	36500	39600	44000	43000	43756	
	40083	33389	---	---	---	35444	27000	37525	
	45980	37889	---	36500	39600	41963	38407	44118	
	7108	7025	---	0	---	5776	9941	7540	
	40	5	0	2	1	3	3	54	
35-39	52861	52445	---	---	---	---	---	53778	
	49445	48945	---	25000	55000	55000	---	49000	
	40028	37828	---	---	---	---	---	39111	
	46690	46126	---	25000	55000	55000	---	46449	
	7733	7820	---	---	---	---	---	8418	
	26	6	0	1	1	1	0	35	
>=40	52889	---	---	---	---	---	---	52555	
	50256	43700	---	43000	---	---	---	50000	
	45250	---	---	---	---	---	---	44611	
	49335	43700	---	43000	---	---	---	48683	
	4864	424	---	---	---	---	---	4948	
	24	2	0	1	0	0	0	27	
No Response	---	---	---	---	---	---	---	---	
	53000	---	---	---	---	---	---	53000	
	---	---	---	---	---	---	---	---	
	53000	---	---	---	---	---	---	53000	
	---	---	---	---	---	---	---	---	
	1	0	0	0	0	0	0	1	
TOTAL	52000	46500	37875	40250	38775	46583	44250	50111	
	46444	40000	30556	37750	34900	36222	38000	43000	
	40584	35000	30000	32225	29500	31500	29500	36667	
	45689	40124	32570	36163	34721	37925	37414	42442	
	8139	8799	6078	7908	8533	10698	7377	9359	
	232	61	20	20	14	30	9	386	

Table 4.2.1

SALARIES OF FULL-TIME EMPLOYED Ph.D. NON-TENURE TRACK INSTRUCTORS AND RESEARCH ASSOCIATES
according to YEARS SINCE B.S. and TYPE OF INSTITUTION
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS												
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
High school	---	---	---	---	---	---	---	---	---	---	---	41861	- 75th %-ile
	---	---	---	---	29333	33611	42778	---	---	---	---	34222	- 50th %-ile
	---	---	---	---	---	---	---	---	---	---	---	28417	- 25th %-ile
	---	---	---	---	29333	33611	42778	---	---	---	---	34833	- Mean
	---	---	---	---	---	7778	---	---	---	---	---	7231	- Std Dev
	0	0	0	0	1	2	1	0	0	0	0	4	- Count
Medical or prof. school	---	---	26250	30000	35500	40000	45267	34500	51000	44500	---	35000	
	---	---	23000	25000	29500	32500	38600	27100	37250	31000	26500	28000	
	---	---	18500	22250	24900	25000	27050	21550	18875	19500	---	24000	
	---	---	23000	25740	30065	33090	36972	27717	35708	31800	26500	29686	
	---	---	4220	5012	6721	9266	9653	6881	17550	14721	---	8529	
	0	0	9	24	36	26	4	4	4	5	1	113	
Associate	---	---	---	34222	---	---	---	39967	---	---	---	37278	
	---	---	---	18333	34334	26400	38806	39111	18000	---	---	30278	
	---	---	---	16000	---	---	---	30556	---	---	---	22458	
	---	---	---	22852	34334	26400	38806	36545	18000	---	---	29519	
	---	---	---	9916	3300	692	21174	5204	16971	---	---	11713	
	0	0	0	3	2	2	2	3	2	0	0	14	
Bachelors	---	---	25667	25056	26828	22611	---	---	46444	---	---	25667	
	---	---	22100	23922	24506	20000	28111	24444	40333	---	23000	23922	
	---	---	20000	22903	21236	18333	---	---	37889	---	---	21097	
	---	---	22739	23710	24124	20315	28111	24444	41555	---	23000	24584	
	---	---	3149	1698	2772	2156	---	---	4407	---	---	5389	
	0	0	13	14	8	3	1	1	3	0	1	44	
Masters	---	---	28867	26278	---	---	25167	---	---	---	---	26889	
	---	---	22306	24444	21222	44800	19472	28222	55000	---	---	24444	
	---	---	21381	21000	---	---	15236	---	---	---	---	21000	
	---	---	24804	25512	21222	44800	19958	28222	55000	---	---	26221	
	---	---	5332	7788	4557	---	5309	5343	---	---	---	9382	
	0	0	6	11	2	1	4	2	1	0	0	27	
Doctorate	---	---	26278	31500	34500	36300	38000	39700	30600	39500	---	33000	
	---	---	20778	26889	29800	30000	30000	36250	27000	29100	---	27795	
	---	---	16800	21050	22861	25834	26100	28722	18000	18500	---	21500	
	---	---	22105	26960	28699	31006	31340	34394	24773	27789	---	27700	
	---	---	6390	7082	7405	8203	8760	8749	9337	12589	---	8317	
	0	0	55	93	57	49	27	14	12	9	0	316	
No Response	---	---	32000	32625	45500	24600	---	29600	---	---	---	35500	
	---	---	20500	26878	30000	24000	41800	28500	45000	46078	---	28500	
	---	---	15000	24750	25650	17000	---	18000	---	---	---	24000	
	---	---	22500	28376	33700	21867	41800	25367	45000	46078	---	29481	
	---	---	9110	4681	9821	4225	---	6403	---	---	---	9488	
	0	0	4	6	6	3	1	3	1	1	0	25	
TOTAL	---	---	26000	30000	34000	36617	38375	38400	40333	43000	---	33000	
	---	---	22000	25056	28750	30000	29789	30556	30000	30000	24750	26889	
	---	---	18000	22000	24000	24925	24075	26200	18000	20000	---	22000	
	---	---	22497	26334	29052	31058	31605	31815	30469	30345	24750	27969	
	---	---	5808	6507	7207	8701	9887	8167	13820	13233	2475	8461	
	0	0	87	151	112	86	40	27	23	15	2	543	

Table 4.2.2

SALARIES OF FULL-TIME EMPLOYED Ph.D. NON-TENURE TRACK INSTRUCTORS AND RESEARCH ASSOCIATES
according to YEARS SINCE B.S. and SPECIALTY
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	No Resp	TOTAL
Biochemistry	---	---	25750	27500	35472	37000	26250	34600	---	39000	---	31000 - 75th %-tile
	---	---	21500	23111	28000	29450	23000	29333	26000	30000	26500	25056 - 50th %-tile
	---	---	17750	20500	24000	24000	18625	23100	---	10000	---	21500 - 25th %-tile
	---	---	22140	24105	29277	30484	22625	28947	26000	25600	26500	26760 - Mean
	---	---	5551	5520	7742	8854	3987	7100	---	15241	---	7911 - Std Dev
	0	0	22	38	41	20	4	5	1	5	1	147 - Count
General chemistry	---	---	22000	26889	31167	31192	34131	37153	---	---	---	28722
	---	---	21389	25056	26634	27445	25361	28723	11500	---	---	25911
	---	---	21022	20992	19625	24025	19736	24444	---	---	---	21206
	---	---	21470	25010	26239	27950	28328	30324	11500	---	---	26254
	---	---	494	4860	6712	5784	12240	6267	7778	---	---	7696
	0	0	3	8	6	10	6	6	2	0	0	41
Analytical chemistry	---	---	30000	32500	37750	43400	37500	---	---	---	---	35250
	---	---	27000	28000	32700	39500	31500	36334	30000	24550	---	30000
	---	---	24444	24722	29850	22167	26800	---	---	---	---	25422
	---	---	27181	29388	32717	34127	30875	36334	30000	24550	---	30379
	---	---	4034	6195	5912	11405	8420	472	---	6435	---	6705
	0	0	11	25	16	5	8	2	1	2	0	70
Inorganic chemistry	---	---	26156	34500	32075	---	---	---	---	---	---	32000
	---	---	21800	25667	26767	32000	17500	43050	---	---	---	26156
	---	---	18000	29085	22917	---	---	---	---	---	---	21000
	---	---	23089	27282	27520	32000	17500	43050	---	---	---	27263
	---	---	5139	8776	5424	---	---	9263	---	---	---	7925
	0	0	7	6	10	1	1	2	0	0	0	27
Organic chemistry	---	---	26278	27378	29222	37334	48345	39184	37889	---	---	33500
	---	---	22000	23222	24950	29944	40000	33600	28000	46078	23000	26278
	---	---	20000	16000	22125	25834	32478	20000	18000	---	---	20778
	---	---	22302	22503	26579	30793	40343	30393	27963	46078	23000	27857
	---	---	4156	6278	7568	7773	8962	10393	9945	---	---	9171
	0	0	11	20	16	17	9	5	3	1	1	83
Polymer chemistry	---	---	34950	40000	---	---	---	---	---	---	---	39500
	---	---	27400	38000	---	---	34834	---	42350	45000	---	34900
	---	---	16250	26278	---	---	---	---	---	---	---	27134
	---	---	26200	34759	---	---	34834	---	42350	45000	---	34037
	---	---	10252	7413	---	---	2593	---	17890	---	---	10698
	0	0	4	3	0	0	2	0	2	1	0	12
Pharmaceutical chemistry	---	---	---	---	---	---	---	---	---	---	---	29500
	---	---	23000	22500	26350	---	30250	---	---	---	---	24500
	---	---	---	---	---	---	---	---	---	---	---	22250
	---	---	23000	22500	26350	---	30250	---	---	---	---	25525
	---	---	9899	707	2333	---	8415	---	---	---	---	5998
	0	0	2	2	2	0	2	0	0	0	0	8
Medicinal/ clinical chemistry	---	---	24000	31375	38000	---	---	---	---	---	---	31750
	---	---	18000	25334	27500	35500	---	29050	24500	42500	---	25334
	---	---	15900	21150	18500	---	---	---	---	---	---	21150
	---	---	19560	25656	28100	35500	---	29050	24500	42500	---	26760
	---	---	4251	6744	10922	---	---	1485	---	16263	---	9000
	0	0	5	12	5	1	0	2	1	2	0	28
Theoretical chemistry	---	---	---	---	---	30000	---	---	---	---	---	28500
	---	---	18000	20000	35000	24000	---	---	---	17000	---	20500
	---	---	---	---	---	19000	---	---	---	---	---	18000
	---	---	18000	20000	35000	24333	---	---	---	17000	---	22875
	---	---	---	2828	---	5508	---	---	---	---	---	6512
	0	0	1	2	1	3	0	0	0	1	0	8
Environmental chemistry	---	---	---	32650	34500	38000	---	---	---	---	---	34500
	---	---	23700	29250	29600	36600	28000	45000	50000	24500	---	29000
	---	---	---	24750	26722	32900	---	---	---	---	---	25000
	---	---	23700	28570	30289	35833	28000	45000	50000	24500	---	30562
	---	---	6647	4780	4285	2635	---	---	---	707	---	7134
	0	0	2	10	5	3	1	1	1	2	0	25
Agricultural/ food chemistry	---	---	---	31500	---	50350	---	---	---	---	---	32000
	---	---	---	22000	---	31500	15000	---	5000	---	---	26700
	---	---	---	19200	---	24725	---	---	---	---	---	18800
	---	---	---	24233	---	34983	15000	---	5000	---	---	27702
	---	---	---	6447	---	13041	---	---	---	---	---	13773
	0	0	0	3	0	6	1	0	1	0	0	11
Physical chemistry	---	---	24967	36000	32475	38750	41800	---	45361	---	---	34500
	---	---	20000	30000	31400	29361	38500	25000	35889	36000	---	28861
	---	---	14500	24500	29250	25200	23000	---	27000	---	---	22850
	---	---	19956	29917	30850	32087	34433	25000	34869	36000	---	28489
	---	---	6737	6217	2172	9678	10038	9899	11986	---	---	9333
	0	0	17	19	6	6	3	2	10	1	0	64
Other chemistry	---	---	---	31000	39000	46250	39111	---	---	---	---	31000
	---	---	23250	28700	25500	29500	29578	34250	25000	---	---	28500
	---	---	---	28200	16050	23500	28000	---	---	---	---	25000
	---	---	23250	29300	26850	31083	32230	34250	25000	---	---	29701
	---	---	4596	1493	11954	12729	6011	8132	---	---	---	8574
	0	0	2	3	4	4	3	2	1	0	0	19
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	---	26000	30000	34000	36617	38375	38400	40333	43000	---	33000
	---	---	22000	25056	28750	30000	29789	30556	30000	30000	24750	26889
	---	---	18000	22000	24000	24925	24075	26200	18000	20000	---	22000
	---	---	22497	26334	29052	31058	31605	31815	30469	30345	24750	27969
	---	---	5888	6507	7207	8701	9887	8167	13820	13233	2475	8461
	0	0	87	151	112	88	40	27	23	15	2	543

Table 4.2.3

SALARIES OF FULL-TIME EMPLOYED Ph.D. INSTRUCTORS OR OTHER NON-TENURE TRACK RANK
according to YEARS SINCE B.S. and SEX
1985 Survey of ACS Members

					YEARS SINCE BS							
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Men	---	---	22000	42000	41375	50350	18944	25972	33306	47250	---	56400	- 75th %-ile
	---	---	25000	32000	32350	34050	38000	38250	30000	33500	---	32400	- 50th %-ile
	---	---	19000	25000	27625	29375	28900	31525	17250	26825	---	25000	- 25th %-ile
	---	---	22528	27947	29671	32730	35408	33472	30496	35850	---	29199	- Mean
	---	---	6132	6863	7262	8319	11783	8305	15794	12112	---	9088	- Std Dev
	0	0	47	87	52	34	23	18	14	6	0	281	- Count
Women	---	---	31100	22611	20778	38000	26889	---	33100	25000	---	19250	
	---	---	23000	30100	32650	27000	30000	32645	24750	24000	23000	28000	
	---	---	19000	22250	24900	22000	20000	---	17750	17000	---	22000	
	---	---	22954	22936	26704	27637	26663	32645	25883	22000	23000	25358	
	---	---	4391	4545	6012	7695	7236	8140	8570	4359	---	6395	
	0	0	15	20	16	19	11	2	6	3	1	93	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	---	21114	19311	44150	47500	24597	26278	56600	40500	---	51964	
	---	---	24650	32000	32350	32000	38000	39200	29850	29100	23000	32000	
	---	---	19000	24000	27525	26000	28000	32400	18000	22000	---	24000	
	---	---	22631	27011	28973	30904	32578	33389	29112	31233	23000	28244	
	---	---	5728	6766	7060	8396	11210	8079	13953	12016	---	8651	
	0	0	62	107	68	53	34	20	20	9	1	374	

Table 4.3.1

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSISTANT PROFESSORS
according to YEARS SINCE B.S. and TYPE OF INSTITUTION
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS												
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
High school	---	---	---	---	---	---	---	---	---	---	---	---	- 75th %-ile
	---	---	---	22611	---	---	---	---	---	---	---	22611	- 50th %-ile
	---	---	---	---	---	---	---	---	---	---	---	---	- 25th %-ile
	---	---	---	22611	---	---	---	---	---	---	---	22611	- Mean
	---	---	---	---	---	---	---	---	---	---	---	---	- Std Dev
	0	0	0	1	0	0	0	0	0	0	0	1	- Count
Medical or prof. school	---	---	40000	36550	38375	39200	48000	---	---	---	---	38000	
	---	---	38000	32000	33450	33000	44000	33450	24444	---	---	33000	
	---	---	31800	28000	30000	30000	33000	---	---	---	---	29600	
	---	---	36320	32466	34436	33704	41667	33450	24444	---	---	33667	
	---	---	5587	5381	6850	6047	7767	6293	---	---	---	6193	
	0	0	5	40	26	12	3	2	1	0	0	89	
Associate	---	---	---	26400	27500	31217	---	---	---	---	---	28111	
	---	---	---	22978	24000	27500	24256	30722	25222	---	---	25056	
	---	---	---	22611	21400	25972	---	---	---	---	---	22887	
	---	---	---	24637	24360	28530	24256	30722	25222	---	---	26076	
	---	---	---	4463	3465	4488	5453	8878	1100	---	---	4637	
	0	0	0	7	5	6	2	2	2	0	0	24	
Bachelors	---	---	28111	28111	29333	29945	32633	38317	---	---	---	28722	
	---	---	25667	25667	26945	26217	29944	33611	36422	29945	---	25667	
	---	---	22306	23800	23222	23361	21389	26278	---	---	---	23222	
	---	---	25518	25918	26762	26224	27727	33570	36422	29945	---	26381	
	---	---	3540	3740	4509	4058	5226	8125	---	4321	---	4315	
	0	0	57	87	60	20	7	6	1	2	0	240	
Masters	---	---	30678	31778	3.442	33856	---	---	---	---	---	31778	
	---	26889	28111	27700	30556	31778	26889	31228	34222	---	---	28722	
	---	---	24597	26156	27217	26034	---	---	---	---	---	26278	
	---	26889	27865	28464	30033	30583	26889	31228	34222	---	---	28855	
	---	---	3142	3067	3099	3795	---	2679	---	---	---	3253	
	0	1	24	43	16	9	1	2	1	0	0	97	
Doctorate	---	---	33000	34222	34467	34000	38133	---	30800	---	---	33794	
	---	---	30556	31106	31778	30000	33000	---	28111	---	29333	30922	
	---	---	28111	28992	29333	29333	29333	---	26222	---	---	28783	
	---	---	31163	31747	32331	31825	32835	---	28378	---	29333	31656	
	---	---	4775	4362	5089	4338	4853	---	2398	---	---	4610	
	0	0	117	186	67	15	7	0	4	0	1	397	
No Response	---	---	37889	33184	44250	31500	---	---	---	---	---	34008	
	---	---	31167	31778	38111	29400	25667	---	29944	27500	---	30000	
	---	---	26889	27195	21531	25056	---	---	---	---	---	27042	
	---	---	30988	31417	34631	28502	25667	---	29944	27500	---	30868	
	---	---	5872	5100	12414	4053	---	---	---	---	---	6242	
	0	0	11	9	4	5	1	0	1	1	0	32	
TOTAL	---	---	31778	33000	33672	33000	33856	36550	32022	33000	---	33000	
	---	26889	29333	29944	30000	29944	30000	33061	28111	27500	29333	29428	
	---	---	25917	26450	26295	26400	26034	27417	25611	26883	---	26278	
	---	26889	29401	29921	30383	29780	30952	32685	28899	29130	29333	29921	
	---	---	5123	4975	6041	5199	7182	6561	4116	3366	---	5328	
	0	1	214	373	178	67	21	12	10	3	1	880	

Table 4.3.2

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSISTANT PROFESSORS
according to YEARS SINCE B.S. and SPECIALTY
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	31717	35000	35333	30445	37500	---	---	---	---	34222 - 75th %-tile
	---	---	29333	30556	31517	30000	33000	37900	27867	---	29333	30556 - 50th %-tile
	---	---	27011	27133	28125	26584	30750	---	---	---	---	27775 - 25th %-tile
	---	---	29569	30800	32341	29425	33750	37900	27867	---	29333	31054 - Mean
	---	---	3781	5168	6538	4183	3775	---	4840	---	---	5412 - Std Dev
	0	0	17	71	44	14	4	1	2	0	1	154 - Count
General chemistry	---	---	29333	32084	30312	33933	30556	34222	29944	---	---	30050
	---	---	25139	26889	28111	27500	29944	26889	29333	26889	---	27195
	---	---	19862	25056	24628	25667	21389	24444	26889	---	---	24536
	---	---	24924	27838	27686	28606	27296	28518	28722	26889	---	27537
	---	---	4600	3885	5210	5219	5125	5089	1617	---	---	4414
	0	0	8	21	13	8	3	3	3	1	0	60
Analytical chemistry	---	---	31350	31686	31584	30800	---	---	---	---	---	31778
	---	---	28600	29395	29333	28111	27500	29333	36422	33000	---	29333
	---	---	26278	25667	27195	26644	---	---	---	---	---	26500
	---	---	28794	29336	30338	28600	27500	29333	36422	33000	---	29352
	---	---	3696	4780	6628	3237	864	---	---	---	---	4707
	0	0	37	50	20	7	2	1	1	1	0	119
Inorganic chemistry	---	---	31931	31778	31778	37975	---	---	---	---	---	31778
	---	---	29333	27811	28844	31522	26400	42334	---	---	---	28722
	---	---	25225	25483	26000	28569	---	---	---	---	---	25636
	---	---	28697	28564	28173	32689	26400	42334	---	---	---	28992
	---	---	4244	3806	4132	5047	---	7543	---	---	---	4490
	0	0	38	46	19	4	1	2	0	0	0	110
Organic chemistry	---	---	30556	32633	33917	30250	34711	35200	---	---	---	31778
	---	---	28722	29333	28478	26095	32633	33000	---	27500	---	29211
	---	---	25667	26248	25606	22917	25667	24444	---	---	---	25667
	---	---	27813	29448	29325	27295	30030	30881	---	27500	---	28888
	---	---	3878	4210	5303	6102	6245	5682	---	---	---	4640
	0	0	43	74	33	14	7	3	0	1	0	175
Polymer chemistry	---	---	42778	38989	37000	---	---	---	---	---	---	37497
	---	26889	35750	29333	36667	33000	---	---	---	---	---	34528
	---	---	33611	26889	36667	---	---	---	---	---	---	29250
	---	26889	37176	32586	36778	33000	---	---	---	---	---	34521
	---	---	4613	7125	192	---	---	---	---	---	---	5716
	0	1	6	7	3	1	0	0	0	0	0	18
Pharmaceutical chemistry	---	---	38000	36667	---	---	---	---	---	---	---	36000
	---	---	30556	28722	32056	36000	29333	---	24444	---	---	29333
	---	---	29333	25667	---	---	---	---	---	---	---	27011
	---	---	32630	31009	32056	36000	29333	---	24444	---	---	31256
	---	---	4691	6442	5578	---	---	---	---	---	---	5373
	0	0	3	7	2	1	1	0	1	0	0	15
Medicinal/ clinical chemistry	---	---	37889	39500	35825	43000	---	---	---	---	---	38500
	---	---	34833	34000	28900	37500	44000	31061	---	---	---	33978
	---	---	28000	29914	23850	32000	---	---	---	---	---	28992
	---	---	33019	33506	29525	37500	44000	31061	---	---	---	33572
	---	---	5870	6349	6240	5586	---	2915	---	---	---	6239
	0	0	7	16	4	4	1	2	0	0	0	34
Theoretical chemistry	---	---	28295	32695	32695	---	---	---	---	---	---	32084
	---	---	26278	30678	29823	---	---	---	34222	---	---	29334
	---	---	24834	28631	26217	---	---	---	---	---	---	26736
	---	---	26507	30999	29578	---	---	---	34222	---	---	29614
	---	---	1837	2997	3405	---	---	---	---	---	---	3395
	0	0	5	8	4	0	0	0	1	0	0	18
Environmental chemistry	---	---	41372	36834	44750	---	---	---	---	---	---	40708
	---	---	35445	34222	37500	35444	---	---	---	---	---	35222
	---	---	28725	28517	29764	---	---	---	---	---	---	29375
	---	---	35243	34099	37320	35444	---	---	---	---	---	35514
	---	---	6186	6754	8850	---	---	---	---	---	---	7068
	0	0	6	9	0	1	0	0	0	0	0	24
Agricultural/ food chemistry	---	---	33600	30875	31572	31778	---	---	---	---	---	31778
	---	---	32000	29500	30228	30556	---	---	26000	---	---	30000
	---	---	29500	28142	25750	30000	---	---	---	---	---	28233
	---	---	31640	29231	29191	30778	---	---	26000	---	---	29805
	---	---	2377	2178	2993	910	---	---	---	---	---	2534
	0	0	5	8	6	3	0	0	1	0	6	23
Physical chemistry	---	---	31778	32475	33000	32695	---	---	---	---	---	32000
	---	---	28111	28556	29333	30862	20167	---	26000	---	---	28556
	---	---	25300	25575	25300	25333	---	---	---	---	---	25361
	---	---	29273	28944	29319	29104	20167	---	26000	---	---	29017
	---	---	6270	5011	4399	4673	---	---	---	---	---	5293
	0	0	35	48	19	8	1	0	1	0	0	112
Other chemistry	---	---	42639	36056	30556	---	---	---	---	---	---	40389
	---	---	40778	32650	27000	30872	48000	---	---	---	---	32650
	---	---	30167	28345	17300	---	---	---	---	---	---	27150
	---	---	37861	33721	24952	30872	48000	---	---	---	---	33656
	---	---	7417	6687	6861	4424	---	---	---	---	---	8084
	0	0	4	8	3	2	1	0	0	0	0	18
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	---	31778	33000	33672	33000	33856	36550	32022	33000	---	33000
	---	26889	29333	29944	30000	29944	30000	33061	28111	27500	29333	29428
	---	---	25917	26450	26295	26400	26034	27417	25611	26889	---	26278
	---	26889	29401	29921	30183	29780	30952	32685	28899	29130	29333	29921
	---	---	5123	4975	6041	5199	7182	6561	4116	3366	---	5328
	0	1	214	373	178	67	21	12	10	3	1	880

Table 4.3.3

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSISTANT PROFESSORS
according to YEARS SINCE B.S. and SEX
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Men	---	---	32000	33000	34039	33000	34711	37450	29333	---	---	33000	- 75th %-ile
	---	26889	29333	29944	30000	30000	29333	34222	26000	29945	---	29639	- 50th %-ile
	---	---	26078	26889	26139	26644	25667	26722	24444	---	---	26400	- 25th %-ile
	---	26889	29593	30002	30440	30052	30790	33667	27333	29945	---	30018	- Mean
	---	---	5024	4927	6178	5300	7911	7245	3462	4321	---	5335	- Std Dev
	0	1	185	319	141	51	15	9	7	2	0	730	- Count
Women	---	---	30278	33000	32084	30417	34283	33000	36422	---	---	32292	
	---	---	28111	29395	29900	28722	32817	29333	31289	27500	29333	29333	
	---	---	25056	25667	26595	25667	27847	26889	29944	---	---	25667	
	---	---	28172	29528	30164	28913	31359	29741	32552	27500	29333	29480	
	---	---	5649	5356	5562	4923	5552	3076	3419	---	---	5317	
	0	0	29	52	37	16	6	3	3	1	1	148	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	27139	---	---	---	---	---	---	---	27139	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	27139	---	---	---	---	---	---	---	27139	
	---	---	---	1218	---	---	---	---	---	---	---	1218	
	0	0	0	2	0	0	0	0	0	0	0	2	
TOTAL	---	---	31778	33000	33672	33000	33856	36550	32022	33000	---	33000	
	---	26889	29333	29944	30000	29944	30000	33061	28111	27500	29333	29428	
	---	---	25917	26450	26295	26400	26034	27417	25611	26889	---	26278	
	---	26889	29401	29921	30383	29780	30952	32685	28899	29130	29333	29921	
	---	---	5123	4975	6041	5199	7182	6561	4116	3366	---	5328	
	0	1	214	373	178	67	21	12	10	3	1	880	

Table 4.4.1

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSOCIATE PROFESSORS
according to YEARS SINCE B.S. and TYPE OF INSTITUTION
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
High school	---	---	---	---	---	---	---	---	---	---	---	--- - 75th %-tile
	---	---	---	---	---	42778	---	55367	---	---	---	49073 - 50th %-tile
	---	---	---	---	---	---	---	---	---	---	---	--- - 25th %-tile
	---	---	---	---	---	42778	---	55367	---	---	---	49073 - Mean
	---	---	---	---	---	---	---	---	---	---	---	8902 - Std Dev
	0	0	0	0	0	1	0	1	0	0	0	2 - Count
Medical or prof. school	---	---	---	44650	45000	48250	42125	47300	49722	49000	---	45000
	---	---	---	40600	41000	40167	38600	40000	45000	44000	42289	40394
	---	---	---	34000	38000	38150	33000	35000	35100	41000	---	37700
	---	---	---	39567	40896	41962	38318	40182	42536	44667	42289	40772
	---	---	---	5712	6641	5830	6452	8119	9254	4041	---	6726
	0	0	0	6	37	34	22	19	8	3	1	130
Associate	---	---	---	41861	41861	41000	40025	42000	---	---	---	41281
	---	---	---	35056	34100	34222	35445	42000	41067	35067	---	34222
	---	---	---	25900	28478	29333	30862	40000	---	---	---	29333
	---	---	---	34272	33951	34240	35656	41333	41067	35067	---	35038
	---	---	---	8325	8279	6486	7838	1155	---	12115	---	7272
	0	0	0	4	13	19	12	3	1	2	0	54
Bachelors	---	---	---	31625	33000	36361	39111	39333	39081	41739	33611	36025
	---	---	28111	28550	30556	31778	34222	35467	34711	40211	29333	31228
	---	---	---	25973	26889	28000	29333	28478	29792	35383	29333	27500
	---	---	28111	28757	30579	32311	33987	34048	34625	38891	30759	31915
	---	---	---	3562	5757	5675	6974	6619	5926	3444	2470	6018
	0	0	1	32	117	113	51	22	12	5	3	356
Masters	---	---	---	35292	38255	39111	39722	40667	40028	44000	---	39111
	---	---	---	33306	35444	36000	37889	36422	37889	43511	---	35689
	---	---	---	31584	33000	31778	35622	31734	30708	34589	---	33000
	---	---	---	33877	36100	36064	37416	35907	36208	40700	---	36090
	---	---	---	4561	5155	4832	3280	6204	5218	5298	---	4855
	0	0	0	18	43	43	21	9	4	3	0	141
Doctorate	---	---	47667	40425	42517	41555	44092	43267	44950	42016	---	42778
	---	---	36667	36100	37889	39400	39111	38500	40000	39067	---	38800
	---	---	35444	33031	33245	35444	35411	35444	35995	34216	---	34222
	---	---	39926	37117	38305	39271	39954	39312	40895	37853	---	38789
	---	---	6732	5675	6671	5630	5913	5702	6901	6080	---	6277
	0	0	3	72	153	123	56	51	25	14	0	497
No Response	---	---	---	43083	36208	36850	49150	49167	---	---	---	40500
	---	---	---	36639	34467	33350	41000	39661	33000	---	---	35444
	---	---	---	32786	30556	33000	36667	30834	---	---	---	33000
	---	---	---	37453	33433	34646	42565	39665	33000	---	---	37039
	---	---	---	6892	4786	3528	7439	9508	---	---	---	6836
	0	0	0	8	10	12	9	6	1	0	0	46
TOTAL	---	---	44917	39111	40333	40333	41555	42778	44000	43511	40120	40822
	---	---	36056	34222	35000	36667	37767	38500	39111	40333	31472	36500
	---	---	29944	30000	30556	31778	33000	34222	33000	34955	29333	31778
	---	---	36972	34833	35602	36429	37488	38360	39158	38912	33642	36479
	---	---	8069	6774	7248	6514	6781	7002	7349	5942	6108	6966
	0	0	4	140	373	345	171	111	51	27	4	1,226

Table 4.4.2

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSOCIATE PROFESSORS
according to YEARS SINCE B.S. and SPECIALTY
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	---	---	---	36375	42000	41541	42500	42067	46722	44000	---	41920	- 75th %-tile
	---	---	---	34039	37889	39500	39000	38139	40167	41000	---	38000	- 50th %-tile
	---	---	---	28111	31584	33633	34000	34750	35625	34955	---	33031	- 25th %-tile
	---	---	---	33774	37254	38698	38838	38705	40505	40987	---	37912	- Mean
	---	---	---	7498	7303	6580	6893	7307	7792	5191	---	7135	- Std Dev
	0	0	0	24	78	72	35	18	10	7	0	244	- Count
General chemistry	---	---	---	34161	34100	37889	38011	40272	---	42075	---	37950	
	---	---	---	29028	29333	33000	33000	36422	29795	40850	---	32878	
	---	---	---	25361	23222	29945	29333	32220	---	36783	---	28111	
	---	---	---	29965	29219	33812	33503	36561	29795	38933	---	32978	
	---	---	---	5348	6373	5587	7399	6403	4109	6206	---	6847	
	0	0	0	6	27	25	23	16	2	6	0	105	
Analytical chemistry	---	---	---	35222	40083	40000	41128	45000	41581	41800	---	40000	
	---	---	---	33000	34833	35567	37889	39111	36606	34334	33611	35444	
	---	---	---	28600	30556	31044	34000	34222	30875	28625	---	30961	
	---	---	---	33340	35737	36346	37984	38906	36783	34920	33611	36145	
	---	---	---	6064	6823	6947	7410	7133	6209	6842	---	6859	
	0	0	0	21	50	51	17	15	6	4	1	165	
Inorganic chemistry	---	---	47667	42778	39203	40884	41250	40000	53778	---	---	40333	
	---	---	36667	36973	34406	36667	38195	37889	39111	35567	42289	36667	
	---	---	35444	32083	30556	34100	35444	34955	35322	---	---	33000	
	---	---	39926	36025	35076	37047	38408	36886	42737	35567	42289	36600	
	---	---	6732	6386	6588	5156	6339	3964	9740	1382	---	6091	
	0	0	3	14	48	41	16	7	3	2	1	135	
Organic chemistry	---	---	---	40250	38378	38255	42992	43328	29111	---	---	39861	
	---	---	---	33550	33000	34222	36234	41555	36000	34528	---	34222	
	---	---	---	30108	29945	29333	33917	32817	30250	---	---	30556	
	---	---	---	34778	33742	33803	37675	39049	36616	34528	---	35069	
	---	---	---	6283	6416	5738	6488	8167	6017	11687	---	6636	
	0	0	0	28	65	67	30	21	12	2	0	225	
Polymer chemistry	---	---	---	55000	50936	45000	44000	---	---	---	---	45167	
	---	---	---	40333	41555	39111	33000	40028	---	36422	---	40333	
	---	---	---	35000	39875	32000	33000	---	---	---	---	35356	
	---	---	---	42851	44825	39984	36667	40028	---	36422	---	41604	
	---	---	---	9896	6239	9194	6351	7346	---	---	---	7979	
	0	0	0	7	8	7	3	2	0	1	0	28	
Pharmaceutical chemistry	---	---	---	---	39111	---	---	---	---	---	---	41800	
	---	---	---	40333	32500	33667	44150	42600	---	---	---	39111	
	---	---	---	---	18000	---	---	---	---	---	---	30917	
	---	---	---	40333	29870	33667	44150	42600	---	---	---	36464	
	---	---	---	---	10798	6128	4455	---	---	---	---	8714	
	0	0	0	1	3	2	2	1	0	0	0	9	
Medicinal/ clinical chemistry	---	---	---	44000	44500	46189	46917	47850	50500	---	---	43750	
	---	---	---	36667	41200	40333	34000	33189	37200	40000	---	39500	
	---	---	---	32633	36750	37000	29500	26345	30550	---	---	33250	
	---	---	---	37767	40044	40968	37367	35795	38967	40000	---	39159	
	---	---	---	5763	4441	5743	9447	11579	10689	---	---	7134	
	0	0	0	3	12	9	5	4	6	1	0	40	
Theoretical chemistry	---	---	---	42686	40211	39500	---	45222	---	---	---	39861	
	---	---	---	38194	36667	36667	38683	34344	36667	---	---	36667	
	---	---	---	32969	31839	35000	---	33978	---	---	---	34253	
	---	---	---	37950	36153	36956	38683	37848	36667	---	---	37220	
	---	---	---	5167	4246	2613	3198	6389	---	---	---	3774	
	0	0	0	4	6	7	2	3	1	0	0	22	
Environmental chemistry	---	---	---	42028	44856	42958	40500	---	---	---	---	44500	
	---	---	---	35445	35444	37950	47055	40500	42778	---	---	39233	
	---	---	---	30862	29878	35433	40156	---	---	---	---	34222	
	---	---	---	36111	37229	40040	45273	40500	42778	---	---	39399	
	---	---	---	5947	7934	4535	5826	707	---	---	---	7023	
	0	0	0	4	13	10	5	2	1	0	0	35	
Agricultural/ food chemistry	---	---	---	36200	44978	41500	39945	---	---	---	---	42000	
	---	---	---	35000	33500	39000	36500	39000	47750	---	---	36000	
	---	---	---	31000	32500	31100	30028	---	---	---	---	31000	
	---	---	---	34486	36664	37200	35289	39000	47750	---	---	36918	
	---	---	---	3090	6809	5833	5224	15556	2616	---	---	6488	
	0	0	0	7	7	4	5	2	2	0	0	27	
Physical chemistry	---	---	---	36361	41403	41189	39111	45222	43267	46025	---	41250	
	---	---	28111	33611	34589	33000	36667	36667	41067	44750	29333	35444	
	---	---	---	29333	31778	30556	33122	35933	39500	39600	---	31839	
	---	---	28111	34178	35654	34549	36669	38915	41627	43458	29333	36019	
	---	---	---	6933	7082	6261	5145	6651	3833	3667	0	6651	
	0	0	1	20	52	43	25	19	7	4	2	173	
Other chemistry	---	---	---	---	48406	48889	42000	---	---	---	---	44675	
	---	---	---	33122	42778	40000	33000	36667	44000	---	---	41000	
	---	---	---	---	38722	39111	33000	---	---	---	---	34864	
	---	---	---	33122	43407	41373	36000	36667	44000	---	---	40469	
	---	---	---	---	5513	7912	5196	---	---	---	---	6601	
	0	0	0	1	5	7	3	1	1	0	0	18	
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	---	---	44917	39111	40333	40333	41555	42778	44000	43511	40120	40822	
	---	---	36056	34222	35000	36667	37767	38500	39111	40333	31472	36500	
	---	---	29944	30000	30556	31778	33000	34222	33600	34955	29333	31778	
	---	---	[illegible]	34833	35602	36429	37488	38360	39150	38912	33642	36479	
	---	---	8069	6774	7748	6514	6781	7002	7349	5942	6108	6966	
	0	0	4	140	373	345	171	111	91	27	4	1,226	

Table 4.4.3

SALARIES OF FULL-TIME EMPLOYED Ph.D. ASSOCIATE PROFESSORS
according to YEARS SINCE B.S. and SEX
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Men	---	---	44917	39617	40609	40333	42000	42834	44000	43572	---	41189 - 75th %-ile
	---	---	36056	34467	35444	36178	38000	38745	39233	40700	37950	36667 - 50th %-ile
	---	---	29944	30433	30770	31778	34111	34222	35322	35506	---	31900 - 25th %-ile
	---	---	36972	35373	36030	36390	38188	38559	40126	38929	37950	36818 - Mean
	---	---	8069	6848	7146	6442	6666	6876	6914	6385	6136	6893 - Std Dev
	0	0	4	121	326	295	149	102	39	21	2	1,059 - Count
Women	---	---	---	34500	36514	40167	37522	42850	41317	43600	---	39111
	---	---	---	32022	32022	38000	32389	34955	35995	40211	29333	34222
	---	---	---	27000	28028	32195	29028	28500	27959	35383	---	29333
	---	---	---	31394	32365	36273	32749	36099	36011	39635	29333	34150
	---	---	---	5219	7469	6500	5655	8423	8136	4587	0	6956
	0	0	0	19	44	49	22	9	12	5	2	162
No Response	---	---	---	---	40500	---	---	---	---	---	---	48050
	---	---	---	---	34955	55600	---	---	---	34955	---	34955
	---	---	---	---	34222	---	---	---	---	---	---	34589
	---	---	---	---	36559	55600	---	---	---	34955	---	40046
	---	---	---	---	3433	---	---	---	---	---	---	9054
	0	0	0	0	3	1	0	0	0	1	0	5
TOTAL	---	---	44917	39111	40333	40333	41555	42778	44000	43511	40120	40822
	---	---	36056	34222	35000	36667	37767	38500	39111	40333	31472	36500
	---	---	29944	30000	30556	31778	33000	34222	33000	34955	29333	31778
	---	---	36972	34833	35602	36429	37488	38360	39158	38912	33642	36479
	---	---	8069	6774	7248	6514	6781	7002	7349	5942	6108	6966
	0	0	4	140	373	345	171	111	51	27	4	1,226

Table 4.5.1

SALARIES OF FULL-TIME EMPLOYED Ph.D. PROFESSORS
according to YEARS SINCE B.S. and TYPE OF INSTITUTION
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
High school	---	---	---	---	---	---	51609	57000	---	---	---	52889 - 75th %-ile
	---	---	---	---	46444	37300	36084	53000	41250	---	---	42522 - 50th %-ile
	---	---	---	---	---	---	23125	52555	---	---	---	35625 - 25th %-ile
	---	---	---	---	46444	37300	36939	54185	41250	---	---	42821 - Mean
	---	---	---	---	---	1838	15385	2448	15124	---	---	11905 - Std Dev
	0	0	0	0	1	2	4	3	2	0	0	12 - Count
Medical or prof. school	---	---	---	---	52000	53000	50000	55000	53800	51500	---	52050
	---	---	---	38911	40000	49506	46500	50000	50000	50000	46000	49000
	---	---	---	---	22428	43450	40000	46722	44000	42389	---	43900
	---	---	---	38911	37771	47460	44683	49923	47553	47593	46000	46950
	---	---	---	2703	19273	8795	8146	4953	9388	5812	---	8554
	0	0	0	2	5	34	31	29	31	17	1	150
Associate	---	---	---	---	41555	40211	46750	47055	48889	49500	---	46444
	---	---	---	46444	36178	36667	41389	42411	45000	42778	50000	40211
	---	---	---	---	32000	33917	34650	36036	39111	41250	---	35444
	---	---	---	46444	36522	37588	41619	42089	43189	44855	50000	40410
	---	---	---	---	6791	5211	6745	6408	11662	4313	---	7758
	0	0	0	1	15	21	12	14	15	5	1	84
Bachelors	---	---	---	---	39478	44000	44000	46059	46689	48033	---	45100
	---	---	---	28111	34100	36972	39600	40333	41555	41555	30556	39111
	---	---	---	---	28408	33000	35506	36667	36117	36667	---	34222
	---	---	---	28111	34429	38210	39868	40854	40867	42311	30556	39621
	---	---	---	---	8704	7412	7617	7153	8027	7421	---	7732
	0	0	0	1	32	188	173	144	93	43	1	675
Masters	---	---	---	---	44244	48867	48705	48889	51700	51731	---	48889
	---	---	---	---	39406	43072	44000	44000	46444	46811	42778	44122
	---	---	---	---	33672	39883	41494	39081	40333	41830	---	39922
	---	---	---	---	39450	43960	43939	44007	45842	45965	42778	44260
	---	---	---	---	6963	5659	7543	6643	7234	6717	---	6852
	0	0	0	0	16	96	102	90	62	38	1	405
Doctorate	---	---	---	52097	48889	51333	52500	52555	51333	52000	---	51944
	---	55000	---	45806	46444	47667	47911	48889	47934	48889	54489	48000
	---	---	---	39533	40778	43450	42778	42508	42000	42000	---	42778
	---	55000	---	45707	45308	47374	46324	46828	46663	46003	54489	46621
	---	---	---	5977	7331	5344	9080	8240	6038	9285	2106	7677
	0	1	0	6	65	208	207	176	122	114	2	901
No Response	---	---	---	51333	55000	46333	50081	53320	50333	55092	---	50386
	---	---	---	42778	55000	39722	44000	47056	44184	51056	---	44989
	---	---	---	15000	41555	36300	37889	40542	36361	45972	---	37981
	---	---	---	36370	50518	40699	43914	46707	43375	50200	---	43971
	---	---	---	18995	7762	7247	7112	6831	8795	6218	---	8100
	0	0	0	3	3	32	40	16	14	12	0	120
TOTAL	---	---	---	49167	47728	48889	49745	50111	50111	51517	53745	50000
	---	55000	---	42778	41555	43755	44000	45222	45833	47911	48000	44489
	---	---	---	37567	36423	37767	39056	39111	39722	41000	39723	39111
	---	55000	---	41210	40968	43094	43510	44560	44683	45616	46385	43844
	---	---	---	10443	9412	7640	8609	7879	7988	8266	9084	8235
	0	1	0	13	137	581	569	472	339	229	6	2,347

Table 4.5.2

SALARIES OF FULL-TIME EMPLOYED PH.D. PROFESSORS
according to YEARS SINCE B.S. and SPECIALTY
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	---	---	48849	51028	52000	52981	51364	53584	---	51333 - 75th %-tile
	---	---	---	15000	45222	45361	45000	48000	47400	46361	50989	46444 - 50th %-tile
	---	---	---	---	38200	41097	39111	43633	39925	40639	---	40456 - 25th %-tile
	---	---	---	15070	42626	45648	45002	47493	45409	45725	50989	45525 - Mean
	---	---	---	---	9506	6682	7980	5855	8714	9267	7056	7997 - Std Dev
	0	0	0	1	23	80	65	56	66	40	2	333 - Count
General chemistry	---	---	---	---	37889	42778	47667	42778	48981	53500	---	46444
	---	---	---	37278	32084	36178	41555	39111	43889	47667	50000	40000
	---	---	---	---	28111	32022	36820	34803	38133	41556	---	34222
	---	---	---	37278	32416	37574	41567	39125	42468	46571	50000	40234
	---	---	---	12963	6892	7674	7662	6248	8152	7807	---	8113
	0	0	0	2	12	51	48	36	42	17	1	209
Analytical chemistry	---	---	---	---	45972	47789	48409	50306	49500	51000	---	48889
	---	---	---	---	41850	42778	42778	44978	45100	44000	---	44000
	---	---	---	---	36667	37200	37889	37889	40180	38867	---	37889
	---	---	---	---	41227	42435	43005	43807	43446	44382	---	43094
	---	---	---	---	6908	7423	6499	7952	9755	7508	---	7606
	0	0	0	0	14	67	58	53	30	21	0	243
Inorganic chemistry	---	---	---	---	47667	48945	48889	51056	48222	52514	---	49128
	---	---	---	38133	44306	44000	43389	46200	43145	49445	42778	44000
	---	---	---	---	36800	39111	39111	40944	38378	41617	---	39172
	---	---	---	38133	40911	44005	43473	45948	43017	47509	42778	44018
	---	---	---	---	12300	7258	8132	6322	7411	6548	---	7992
	0	0	0	1	26	85	59	49	22	14	1	257
Organic chemistry	---	---	---	52402	48889	48800	49500	48945	51333	51333	---	49106
	---	---	---	47361	39356	42778	44000	43389	46200	47000	41778	44000
	---	---	---	40695	33183	35900	38500	37445	39111	41494	---	37889
	---	---	---	46819	40197	41965	43230	43236	44490	46016	41778	43245
	---	---	---	6377	9186	7429	8806	8109	8255	6999	15870	8189
	0	0	0	4	32	136	139	141	75	61	2	589
Polymer chemistry	---	---	---	---	---	51411	52600	51788	52000	52000	---	52030
	---	---	---	---	44000	46889	48889	50000	48822	48889	---	48889
	---	---	---	---	---	43908	43000	44100	44367	43634	---	44000
	---	---	---	---	44000	47683	45886	46874	47417	46849	---	46780
	---	---	---	---	---	6792	11070	6640	7336	7079	---	8075
	0	0	0	0	1	14	19	15	8	9	0	66
Pharmaceutical chemistry	---	---	---	---	---	51500	54500	53000	51500	55000	---	52000
	---	55000	---	---	39355	44000	47667	50000	50000	47911	---	50000
	---	---	---	---	---	24000	38000	42500	49250	37000	---	40000
	---	55000	---	---	39355	39000	46533	48500	50250	46637	---	45956
	---	---	---	---	---	18020	9305	5972	1258	9067	---	10428
	0	1	0	0	1	5	5	4	4	3	0	23
Medicinal/ clinical chemistry	---	---	---	---	---	51166	48500	49722	49583	49250	---	48945
	---	---	---	---	45400	44722	45000	44122	43500	45389	---	45000
	---	---	---	---	---	41175	36667	3616?	40750	40000	---	40000
	---	---	---	---	45400	45018	41127	42392	44722	44963	---	43053
	---	---	---	---	566	5969	13622	8413	4509	4581	---	9625
	0	0	0	0	2	8	19	8	6	6	0	49
Theoretical chemistry	---	---	---	51333	53778	50478	53900	52861	51639	52555	---	51577
	---	---	---	44611	37889	44122	52411	50000	46445	34039	---	47667
	---	---	---	40822	36667	42345	45000	46445	41250	24292	---	42534
	---	---	---	45589	42778	45921	50340	49482	48037	35689	---	46034
	---	---	---	5323	9546	5150	5321	4446	6021	16836	---	8243
	0	0	0	3	3	16	7	13	6	6	0	54
Environmental chemistry	---	---	---	---	50000	53778	54000	55000	52000	50000	---	53320
	---	---	---	47000	40000	50722	46444	47556	44000	40000	---	48889
	---	---	---	---	26600	45711	36056	43000	39556	39111	---	40250
	---	---	---	47000	38867	49355	45023	48443	45723	43304	---	46556
	---	---	---	---	11741	6005	9077	6394	6580	6507	---	7667
	0	0	0	1	3	19	21	10	9	3	0	66
Agricultural/ food chemistry	---	---	---	---	44500	48500	48000	48500	52028	50000	---	48250
	---	---	---	---	40000	43000	45000	42000	42778	47222	---	43000
	---	---	---	---	38000	40528	42778	36250	41250	42000	---	40875
	---	---	---	---	40833	43572	45725	41944	45381	42331	---	43716
	---	---	---	---	3329	5066	4441	6821	6641	14711	---	7598
	0	0	0	0	3	10	11	9	9	8	0	50
Physical chemistry	---	---	---	---	51600	48400	48889	51822	50111	52250	---	50111
	---	---	---	37000	46689	42778	44806	46444	46811	49378	---	45222
	---	---	---	---	40822	36667	38525	40000	41555	40056	---	39111
	---	---	---	37000	46107	42500	43261	45189	45889	46981	---	44283
	---	---	---	---	6477	7267	8559	9593	6756	7033	---	8141
	0	0	0	1	15	87	106	71	48	37	0	365
Other chemistry	---	---	---	---	---	53472	48000	55000	52953	49050	---	50600
	---	---	---	---	41433	51211	43084	48889	45722	44489	---	45000
	---	---	---	---	---	39508	38142	45000	38000	33195	---	39000
	---	---	---	---	41433	48064	41163	49252	45223	42245	---	44557
	---	---	---	---	2420	8171	12090	4674	7879	8680	---	8954
	0	0	0	0	2	4	12	7	14	4	0	43
Non-chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
No Response	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	---	---	---	49167	47728	48889	49744	50111	50111	51517	53745	50000
	---	55000	---	42778	41555	43755	44000	45222	45833	47911	48000	44489
	---	---	---	37567	36423	37767	39056	39111	39722	41000	39723	39111
	---	55000	---	41210	40968	43094	43510	44560	44683	45616	46385	43844
	---	---	---	10443	9412	7640	8609	7879	7988	8266	9084	8235
	0	1	0	13	137	581	569	472	339	229	6	2,347

Table 4.5.3

SALARIES OF FULL-TIME EMPLOYED Ph.D. PROFESSORS
according to YEARS SINCE B.S. and SEX
1985 Survey of ACS Members (academic year salaries multiplied by 11/9)

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Men	---	---	---	51486	47789	48889	50000	50391	50600	51867	55234	50000 - 75th %-ile
	---	55000	---	45528	41555	44000	44000	45222	46200	47911	51500	44611 - 50th %-ile
	---	---	---	39533	36667	37644	39111	39111	40333	41483	47000	39111 - 25th %-ile
	---	55000	---	44291	41138	43107	43652	44637	44972	45723	51245	43975 - Mean
	---	---	---	7520	9250	7657	8664	7833	8058	8373	4264	8238 - Std Dev
	0	1	0	10	131	543	541	454	307	210	4	2,201 - Count
Women	---	---	---	40822	48706	50028	46261	49500	47834	50111	---	48431
	---	---	---	37000	46444	42389	41433	45000	41311	45000	42778	42778
	---	---	---	15000	21778	37717	36667	35139	37278	39111	---	37116
	---	---	---	30941	37482	42912	40418	42412	41483	44436	42778	41832
	---	---	---	13937	14475	7496	6717	9222	6950	7057	---	7982
	0	0	0	3	5	38	26	17	29	19	1	138
No Response	---	---	---	---	---	---	---	---	48889	---	---	48278
	---	---	---	---	36178	---	45250	45900	46444	---	30556	44339
	---	---	---	---	---	---	---	---	42778	---	---	36045
	---	---	---	---	36178	---	45250	45900	46037	---	30556	42656
	---	---	---	---	---	---	13081	---	3076	---	---	7898
	0	0	0	0	1	0	2	1	3	0	1	8
TOTAL	---	---	---	49167	47728	48889	49745	50111	50111	51517	53745	50000
	---	55000	---	42778	41555	43755	44000	45222	45833	47911	48000	44489
	---	---	---	37567	36423	37767	39056	39111	39722	41000	39723	39111
	---	55000	---	41210	40968	43094	43510	44560	44683	45616	46385	43844
	---	---	---	10443	9412	7640	8609	7879	7988	8266	9084	8235
	0	1	0	13	137	581	569	472	339	229	6	2,347

Table 5.1.1

STIPENDS OF POST-DOCTORAL FELLOWS IN CHEMISTRY
according to TYPE OF INSTITUTION and SPECIALTY
1985 Survey of ACS Members

SPECIALTY	High-school	Medical school	Associate	Bachelors	Masters	Doctorate	Response	TOTAL	
				TYPE OF INSTITUTION					
Biochemistry	---	20000	---	---	---	19000	20750	19000	- 75th %-tile
	---	17000	---	---	18333	17000	17250	17000	- 50th %-tile
	---	16000	---	---	---	15000	15125	15075	- 25th %-tile
	---	17504	---	---	18333	17237	18215	17422	- Mean
	---	2919	---	---	---	2593	3557	2789	- Std Dev
	0	48	0	0	1	95	16	160	- Count
General chemistry	---	---	---	---	---	---	---	---	
	---	---	---	---	---	15000	---	15000	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	15000	---	15000	
	---	---	---	---	---	---	---	---	
	0	0	0	0	0	1	0	1	
Analytical chemistry	---	---	---	---	---	18000	---	18000	
	---	---	---	---	---	16150	15000	16000	
	---	---	---	---	---	15125	---	15000	
	---	---	---	---	---	16575	15000	16512	
	---	---	---	---	---	1939	---	1924	
	0	0	0	0	0	24	1	25	
Inorganic chemistry	---	---	---	---	---	18000	18000	18000	
	---	---	---	14000	---	16000	16000	16000	
	---	---	---	---	---	15000	15000	15000	
	---	---	---	14000	---	17056	16200	16871	
	---	---	---	---	---	3775	1567	3481	
	0	0	0	1	0	47	10	58	
Organic chemistry	---	20000	---	---	16500	17000	25000	17000	
	15000	15000	---	15000	14000	15000	15500	15000	
	---	14000	---	---	14000	14000	15000	14000	
	15000	16529	---	15000	14833	15594	18500	15691	
	---	3182	---	---	1443	3019	5635	3052	
	1	7	0	1	3	107	3	122	
Polymer chemistry	---	---	---	---	---	22000	34000	23000	
	---	---	---	---	---	18000	20000	18500	
	---	---	---	---	---	14350	13000	14175	
	---	---	---	---	---	17967	22333	19058	
	---	---	---	---	---	3647	10693	5862	
	0	0	0	0	0	9	3	12	
Pharmaceutical chemistry	---	19900	---	---	---	21000	---	19900	
	18000	19000	---	---	---	15100	---	16000	
	---	15500	---	---	---	14500	---	15000	
	18000	17950	---	---	---	16857	---	17369	
	---	2304	---	---	---	3323	---	2761	
	1	5	0	0	0	7	0	13	
Medicinal/ clinical chemistry	---	20000	---	---	---	18050	---	19000	
	---	18850	---	---	---	17000	20350	18000	
	---	17375	---	---	---	16000	---	16600	
	---	19314	---	---	---	16981	20350	18140	
	---	3504	---	---	---	1490	2333	2785	
	0	14	0	0	0	18	2	34	
Theoretical chemistry	---	---	---	---	---	23250	---	22500	
	---	19600	---	---	---	17500	---	18000	
	---	---	---	---	---	15625	---	15750	
	---	19600	---	---	---	19000	---	19067	
	---	---	---	---	---	4217	---	3950	
	0	1	0	0	0	8	0	9	
Environmental chemistry	---	---	---	---	---	25000	---	24250	
	---	18550	---	---	15050	22000	19000	20500	
	---	---	---	---	---	19500	---	17775	
	---	18550	---	---	15000	21511	19000	20264	
	---	2051	---	---	---	4621	1414	4186	
	0	2	0	0	1	9	2	14	
Agricultural/ food chemistry	---	---	---	---	---	24722	---	24722	
	---	---	---	---	---	19000	---	19000	
	---	---	---	---	---	16250	---	16250	
	---	---	---	---	---	20189	---	20189	
	---	---	---	---	---	4382	---	4362	
	0	0	0	0	0	5	0	5	
Physical chemistry	---	18250	---	---	---	20375	---	20500	
	---	17000	---	---	23000	18000	18500	18000	
	---	15375	---	---	---	16000	---	16000	
	---	16875	---	---	23000	18862	18500	18790	
	---	1493	---	---	---	4149	6364	4070	
	0	4	0	0	1	56	2	63	
Other chemistry	---	---	---	---	---	22650	---	22650	
	---	---	---	---	---	18000	---	18000	
	---	---	---	---	---	15500	---	15500	
	---	---	---	---	---	18333	---	18333	
	---	---	---	---	---	3445	---	3445	
	0	0	0	0	0	13	0	13	
Non-chemistry	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	
No Response	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	
TOTAL	---	20000	---	---	21833	19000	20000	19000	
	16500	17500	---	14500	15750	16400	17500	16600	
	---	16000	---	---	14000	15000	15000	15000	
	16500	17781	---	14500	16806	17160	18145	17311	
	2121	2976	---	707	3458	3443	4169	3434	
	2	81	0	2	6	399	39	529	

Table 6.1.1

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC CHEMICAL ENGINEERS
by HIGHEST DEGREE and YEARS SINCE BS
1985 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Bachelors	28000	32000	37400	40750	45000	65000	68500	68250	65000	72250	---	50000	- 75th %-ile
	27150	28700	33000	36000	40000	41100	50000	53000	45000	48150	---	38200	- 50th %-ile
	23650	25000	30000	31250	33500	33000	40000	42150	40000	40050	---	31000	- 25th %-ile
	25325	28136	33745	36059	40286	46694	53360	54672	51130	54543	---	42709	- Mean
	4108	4926	5531	7140	11772	16534	17101	16426	17335	20425	---	16846	- Std Dev
	20	81	105	73	37	31	53	72	82	68	0	622	- Count
Masters	---	32150	38000	43000	49050	55075	65000	70000	75000	72000	---	56000	
	---	30300	35000	39800	41250	45000	45000	63000	66000	68500	---	41050	
	---	29200	31600	35000	35000	39875	40000	45150	50000	43200	---	35000	
	---	30919	35032	40088	44496	47850	50443	58967	62963	56218	---	46418	
	---	2772	5233	9115	13386	13991	17925	15551	17226	18938	---	16468	
	0	21	124	93	52	42	51	52	71	34	0	540	
Doctorate	---	---	42525	47000	65000	70825	79750	80000	76000	80000	---	70000	
	---	---	40000	43300	55000	61750	68250	69000	66500	67000	7200	55900	
	---	---	38000	40000	42500	45375	57400	55600	52025	55250	---	42375	
	---	---	40864	44968	54460	59377	66904	66464	64696	66812	7200	57446	
	---	---	5451	8588	15907	15014	14940	18782	16311	19963	---	17454	
	0	0	56	93	89	88	76	58	84	41	1	586	
No Response	---	---	---	---	---	---	---	---	---	---	50000	50000	
	---	---	---	---	---	---	---	---	---	---	41000	41000	
	---	---	---	---	---	---	---	---	---	---	26000	26000	
	---	---	---	---	---	---	---	---	---	---	44843	44843	
	---	---	---	---	---	---	---	---	---	---	24223	24223	
	0	0	0	0	0	0	0	0	0	0	14	14	
TOTAL	28000	32000	39700	44200	62000	67750	70550	72000	73000	75000	50000	65000	
	27150	29500	35500	40000	45000	50000	62850	63750	62800	62000	40000	43000	
	23650	25825	32000	35000	38000	41200	43125	45000	43100	42000	23000	35275	
	25325	28709	35704	40705	48603	53928	58252	59657	59484	58459	42333	48764	
	4108	4693	5973	9107	14365	16129	18013	17605	17952	20522	25284	18123	
	20	102	285	259	178	161	180	182	237	143	15	1,762	

Table 7.1.1

EMPLOYMENT STATUS OF ALL NON-ACADEMIC RESPONDENTS
by WORK FIELD
1985 Survey of ACS Members

	WORK FIELD						
EMPLOYMENT STATUS	Chemical Engineering	Bio-chemistry	Chemistry	Non-chemistry	No Response	TOTAL	
Employed full-time	1,911	1,198	23,708	2,545	1,060	30,422	-Count
	6.3%	3.9%	77.9%	8.4%	3.5%	100.0%	-% of Row
	79.9%	93.7%	96.2%	87.3%	64.6%	92.6%	-% of Col
Employed part-time	132	15	243	127	112	629	
	21.0%	2.4%	38.6%	20.2%	17.8%	100.0%	
	5.5%	1.2%	1.0%	4.4%	6.8%	1.9%	
Postdoctoral or other fellowship	8	25	108	13	52	206	
	3.9%	12.1%	52.4%	6.3%	25.2%	100.0%	
	0.3%	2.0%	0.4%	0.4%	3.2%	0.6%	
Unemployed seeking	233	31	344	142	268	1,018	
	22.9%	3.0%	33.8%	13.9%	26.3%	100.0%	
	9.7%	2.4%	1.4%	4.9%	16.3%	3.1%	
Unemployed Not seeking	106	7	174	81	121	489	
	21.7%	1.4%	35.6%	16.6%	24.7%	100.0%	
	4.4%	0.5%	0.7%	2.8%	7.4%	1.5%	
No Response	3	3	65	8	27	106	
	2.8%	2.8%	61.3%	7.5%	25.5%	100.0%	
	0.1%	0.2%	0.3%	0.3%	1.6%	0.3%	
TOTAL	2,393	1,279	24,642	2,916	1,640	32,870	
	7.3%	3.9%	75.0%	8.9%	5.0%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by HIGHEST DEGREE
1985 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Employed full-time	7,898	4,967	11,856	185	24,906	-Count
	31.7%	19.9%	47.6%	0.7%	100.0%	-% of Row
	95.7%	96.3%	96 2%	97.9%	96.1%	-% of Col
Employed part-time	80	60	116	2	258	
	31.0%	23.3%	45.0%	0.8%	100.0%	
	1.0%	1.2%	0.9%	1.1%	1.0%	
Postdoctoral or other fellowship	3	2	128	0	133	
	2.3%	1.5%	96.2%	0.0%	100.0%	
	0.0%	0.0%	1.0%	0.0%	0.5%	
Unemployed seeking	148	81	144	2	375	
	39.5%	21.6%	38.4%	0.5%	100.0%	
	1.8%	1.6%	1.2%	1.1%	1.4%	
Unemployed Not seeking	99	36	46	0	181	
	54.7%	19.9%	25.4%	0.0%	100.0%	
	1.2%	0.7%	0.4%	0.0%	0.7%	
No Response	22	14	32	0	68	
	32.4%	20.6%	47.1%	0.0%	100.0%	
	0.3%	0.3%	0.3%	0.0%	0.3%	
TOTAL	8,250	5,160	12,322	189	25,921	
	31.8%	19.9%	47.5%	0.7%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.2

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS -MEN Only
by HIGHEST DEGREE
1985 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Employed full-time	6,169	4,047	10,912	145	21,273	-Count
	29.0%	19.0%	51.3%	0.7%	100.0%	-% of Row
	96.7%	97.0%	96.8%	97.3%	96.8%	-% of Col
Employed part-time	45	38	88	2	173	
	26.0%	22.0%	50.9%	1.2%	100.0%	
	0.7%	0.9%	0.8%	1.3%	0.8%	
Postdoctoral or other fellowship	3	1	94	0	98	
	3.1%	1.0%	95.9%	0.0%	100.0%	
	0.0%	0.0%	0.8%	0.0%	0.4%	
Unemployed seeking	107	59	116	2	284	
	37.7%	20.8%	40.8%	0.7%	100.0%	
	1.7%	1.4%	1.0%	1.3%	1.3%	
Unemployed Not seeking	42	17	38	0	97	
	43.3%	17.5%	39.2%	0.0%	100.0%	
	0.7%	0.4%	0.3%	0.0%	0.4%	
No Response	12	9	25	0	46	
	26.1%	19.6%	54.3%	0.0%	100.0%	
	0.2%	0.2%	0.2%	0.0%	0.2%	
TOTAL	6,378	4,171	11,273	149	21,971	
	29.0%	19.0%	51.3%	0.7%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.3

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS -WOMEN Only
by HIGHEST DEGREE
1985 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Employed full-time	1,711	907	920	39	3,577	-Count
	47.8%	25.4%	25.7%	1.1%	100.0%	-% of Row
	92.7%	93.3%	90.8%	100.0%	92.5%	-% of Col
Employed part-time	34	19	26	0	79	
	43.0%	24.1%	32.9%	0.0%	100.0%	
	1.8%	2.0%	2.6%	0.0%	2.0%	
Postdoctoral or other fellowship	0	1	34	0	35	
	0.0%	2.9%	97.1%	0.0%	100.0%	
	0.0%	0.1%	3.4%	0.0%	0.9%	
Unemployed seeking	39	21	23	0	83	
	47.0%	25.3%	27.7%	0.0%	100.0%	
	2.1%	2.2%	2.3%	0.0%	2.1%	
Unemployed Not seeking	54	19	8	0	81	
	66.7%	23.5%	9.9%	0.0%	100.0%	
	2.9%	2.0%	0.8%	0.0%	2.1%	
No Response	7	5	2	0	14	
	50.0%	35.7%	14.3%	0.0%	100.0%	
	0.4%	0.5%	0.2%	0.0%	0.4%	
TOTAL	1,845	972	1,013	39	3,869	
	47.7%	25.1%	26.2%	1.0%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.2.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by NON-ACADEMIC WORK FUNCTION
1985 Survey of ACS Members

NON-ACADEMIC WORK FUNCTION	EMPLOYMENT STATUS: Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
Mgt-R&D	4,023	14	2	50	17	6	4,112	-Count
	97.8%	0.3%	0.0%	1.2%	0.4%	0.1%	100.0%	-% of Row
	16.2%	5.4%	1.5%	13.3%	9.4%	8.8%	15.9%	-% of Col
Basic Research	3,753	33	111	35	14	10	3,956	
	94.9%	0.8%	2.8%	0.9%	0.4%	0.3%	100.0%	
	15.1%	12.8%	83.5%	9.3%	7.7%	14.7%	15.3%	
Applied R&D	8,404	51	17	112	47	29	8,660	
	97.0%	0.6%	0.2%	1.3%	0.5%	0.3%	100.0%	
	33.7%	19.8%	12.8%	29.9%	26.0%	42.6%	33.4%	
General Mgt	1,804	17	0	30	18	4	1,873	
	96.3%	0.9%	0.0%	1.6%	1.0%	0.2%	100.0%	
	7.2%	6.6%	0.0%	8.0%	9.9%	5.9%	7.2%	
Marketing	1,388	9	0	27	8	4	1,436	
	96.7%	0.6%	0.0%	1.9%	0.6%	0.3%	100.0%	
	5.6%	3.5%	0.0%	7.2%	4.4%	5.9%	5.5%	
Prod & QC	2,509	12	1	53	30	7	2,612	
	96.1%	0.5%	0.0%	2.0%	1.1%	0.3%	100.0%	
	10.1%	4.7%	0.8%	14.1%	16.6%	10.3%	10.1%	
Forensic	1,233	24	1	27	16	3	1,304	
	94.6%	1.8%	0.1%	2.1%	1.2%	0.2%	100.0%	
	5.0%	9.3%	0.8%	7.2%	8.8%	4.4%	5.0%	
Writing/ Editing	304	11	0	14	5	1	335	
	90.7%	3.3%	0.0%	4.2%	1.5%	0.3%	100.0%	
	1.2%	4.3%	0.0%	3.7%	2.8%	1.5%	1.3%	
Data processing	61	2	0	3	1	0	67	
	91.0%	3.0%	0.0%	4.5%	1.5%	0.0%	100.0%	
	0.2%	0.8%	0.0%	0.8%	0.6%	0.0%	0.3%	
Consulting	503	69	0	16	14	1	603	
	83.4%	11.4%	0.0%	2.7%	2.3%	0.2%	100.0%	
	2.0%	26.7%	0.0%	4.3%	7.7%	1.5%	2.3%	
Other	924	16	1	8	11	3	963	
	96.0%	1.7%	0.1%	0.8%	1.1%	0.3%	100.0%	
	3.7%	6.2%	0.8%	2.1%	6.1%	4.4%	3.7%	
No Response	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	24,906	258	133	375	181	68	25,921	
	96.1%	1.0%	0.5%	1.4%	0.7%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.3.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by WORK SPECIALTY
1985 Survey of ACS Members

	EMPLOYMENT STATUS							
WORK SPECIALTY	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
Biochemistry	1,198	15	25	31	7	3	1,279	-Count
	93.7%	1.2%	2.0%	2.4%	0.5%	0.2%	100.0%	-% of Row
	4.8%	5.8%	18.8%	8.3%	3.9%	4.4%	4.9%	-% of Col
General chemistry	857	14	2	16	11	1	901	
	95.1%	1.6%	0.2%	1.8%	1.2%	0.1%	100.0%	
	3.4%	5.4%	1.5%	4.3%	6.1%	1.5%	3.5%	
Analytical chemistry	6,248	48	11	103	44	13	6,467	
	96.6%	0.7%	0.2%	1.6%	0.7%	0.2%	100.0%	
	25.1%	18.6%	8.3%	27.5%	24.3%	19.1%	24.9%	
Inorganic chemistry	1,088	12	10	20	7	3	1,140	
	95.4%	1.1%	0.9%	1.8%	0.6%	0.3%	100.0%	
	4.4%	4.7%	7.5%	5.3%	3.9%	4.4%	4.4%	
Organic chemistry	3,505	33	14	40	15	7	3,614	
	97.0%	0.9%	0.4%	1.1%	0.4%	0.2%	100.0%	
	14.1%	12.8%	10.5%	10.7%	8.3%	10.3%	13.9%	
Polymer chemistry	4,073	38	17	42	26	13	4,209	
	96.8%	0.9%	0.4%	1.0%	0.6%	0.3%	100.0%	
	16.4%	14.7%	12.8%	11.2%	14.4%	19.1%	16.2%	
Pharmaceutical chemistry	1,134	4	8	18	9	1	1,174	
	96.6%	0.3%	0.7%	1.5%	0.8%	0.1%	100.0%	
	4.6%	1.6%	6.0%	4.8%	5.0%	1.5%	4.5%	
Medicinal/ clinical chemistry	1,046	15	6	27	13	3	1,110	
	94.2%	1.4%	0.5%	2.4%	1.2%	0.3%	100.0%	
	4.2%	5.8%	4.5%	7.2%	7.2%	4.4%	4.3%	
Theoretical chemistry	62	0	3	0	0	0	65	
	95.4%	0.0%	4.6%	0.0%	0.0%	0.0%	100.0%	
	0.2%	0.0%	2.3%	0.0%	0.0%	0.0%	0.3%	
Environmental chemistry	1,928	31	5	32	14	6	2,016	
	95.6%	1.5%	0.2%	1.6%	0.7%	0.3%	100.0%	
	7.7%	12.0%	3.8%	8.5%	7.7%	8.8%	7.8%	
Agricultural/ food chemistry	1,112	9	2	21	13	11	1,168	
	95.2%	0.8%	0.2%	1.8%	1.1%	0.9%	100.0%	
	4.5%	3.5%	1.5%	5.6%	7.2%	16.2%	4.5%	
Physical chemistry	1,572	20	26	13	12	5	1,648	
	95.4%	1.2%	1.6%	0.8%	0.7%	0.3%	100.0%	
	6.3%	7.8%	19.5%	3.5%	6.6%	7.4%	6.4%	
Other chemistry	1,083	19	4	12	10	2	1,130	
	95.8%	1.7%	0.4%	1.1%	0.9%	0.2%	100.0%	
	4.3%	7.4%	3.0%	3.2%	5.5%	2.9%	4.4%	
Non-chemistry	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	24,906	258	133	375	181	68	25,921	
	96.1%	1.0%	0.5%	1.4%	0.7%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.4.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by EMPLOYER TYPE
1985 Survey of ACS Members

	EMPLOYER TYPE					
EMPLOYMENT STATUS	Industry	Govern-ment	Other Non-Acad.	No Response	TOTAL	
Employed full-time	19,970	3,068	1,818	50	24,906	-Count
	80.2%	12.3%	7.3%	0.2%	100.0%	-% of Row
	97.8%	95.9%	86.7%	25.4%	96.1%	-% of Col
Employed part-time	73	34	78	73	258	
	28.3%	13.2%	30.2%	28.3%	100.0%	
	0.4%	1.1%	3.7%	37.1%	1.0%	
Postdoctoral or other fellowship	23	6	79	25	133	
	17.3%	4.5%	59.4%	18.8%	100.0%	
	0.1%	0.2%	3.8%	12.7%	0.5%	
Unemployed seeking	224	61	68	22	375	
	59.7%	16.3%	18.1%	5.9%	100.0%	
	1.1%	1.9%	3.2%	11.2%	1.4%	
Unemployed Not seeking	85	24	45	27	181	
	47.0%	13.3%	24.9%	14.9%	100.0%	
	0.4%	0.8%	2.1%	13.7%	0.7%	
No Response	52	7	9	0	68	
	76.5%	10.3%	13.2%	0.0%	100.0%	
	0.3%	0.2%	0.4%	0.0%	0.3%	
TOTAL	20,427	3,200	2,097	197	25,921	
	78.8%	12.3%	8.1%	0.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.5.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by NON-ACADEMIC EMPLOYER
1985 Survey of ACS Members

PRINCIPAL EMPLOYER	EMPLOYMENT STATUS: Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
Chemicals	5,674	28	5	72	28	7	5,814	-Count
	97.6%	0.5%	0.1%	1.2%	0.5%	0.1%	100.0%	-% of Row
	22.8%	10.9%	3.8%	19.2%	15.5%	10.3%	22.4%	-% of Col
Agricultural chemicals	876	5	1	4	4	3	893	
	98.1%	0.6%	0.1%	0.4%	0.4%	0.3%	100.0%	
	3.5%	1.9%	0.8%	1.1%	2.2%	4.4%	3.4%	
Coatings	1,086	12	2	17	13	2	1,132	
	95.9%	1.1%	0.2%	1.5%	1.1%	0.2%	100.0%	
	4.4%	4.7%	1.5%	4.5%	7.2%	2.9%	4.4%	
Food	802	6	0	22	9	7	846	
	94.8%	0.7%	0.0%	2.6%	1.1%	0.8%	100.0%	
	3.2%	2.3%	0.0%	5.9%	5.0%	10.3%	3.3%	
Metals, minerals	457	2	0	23	5	0	487	
	93.8%	0.4%	0.0%	4.7%	1.0%	0.0%	100.0%	
	1.8%	0.8%	0.0%	6.1%	2.8%	0.0%	1.9%	
Paper	233	1	0	4	1	0	239	
	97.5%	0.4%	0.0%	1.7%	0.4%	0.0%	100.0%	
	0.9%	0.4%	0.0%	1.1%	0.6%	0.0%	0.9%	
Petroleum	1,099	5	3	11	5	2	1,125	
	97.7%	0.4%	0.3%	1.0%	0.4%	0.2%	100.0%	
	4.4%	1.9%	2.3%	2.9%	2.8%	2.9%	4.3%	
Pharmaceuticals, personal care	3,567	8	9	58	18	10	3,670	
	97.2%	0.2%	0.2%	1.6%	0.5%	0.3%	100.0%	
	14.3%	3.1%	6.8%	15.5%	9.9%	14.7%	14.2%	
Rubber	458	3	0	2	0	3	466	
	98.3%	0.6%	0.0%	0.4%	0.0%	0.6%	100.0%	
	1.8%	1.2%	0.0%	0.5%	0.0%	4.4%	1.8%	
Biochemical products	389	3	3	11	2	3	411	
	94.6%	0.7%	0.7%	2.7%	0.5%	0.7%	100.0%	
	1.6%	1.2%	2.3%	2.9%	1.1%	4.4%	1.6%	
Electronics	811	7	3	14	6	2	843	
	96.2%	0.8%	0.4%	1.7%	0.7%	0.2%	100.0%	
	3.3%	2.7%	2.3%	3.7%	3.3%	2.9%	3.3%	
Other manufactures	3,167	27	3	47	18	11	3,273	
	96.8%	0.8%	0.1%	1.4%	0.5%	0.3%	100.0%	
	12.7%	10.5%	2.3%	12.5%	9.9%	16.2%	12.6%	
Non-Mfg	1,484	25	6	33	10	2	1,560	
	95.1%	1.6%	0.4%	2.1%	0.6%	0.1%	100.0%	
	6.0%	9.7%	4.5%	8.8%	5.5%	2.9%	6.0%	
Federal	2,212	35	68	13	18	4	2,350	
	94.1%	1.5%	2.9%	0.6%	0.8%	0.2%	100.0%	
	8.9%	13.6%	51.1%	3.5%	9.9%	5.9%	9.1%	
State or local	757	9	2	8	8	3	787	
	96.2%	1.1%	0.3%	1.0%	1.0%	0.4%	100.0%	
	3.0%	3.5%	1.5%	2.1%	4.4%	4.4%	3.0%	
Hospital, independent laboratory	485	9	3	14	9	1	521	
	93.1%	1.7%	0.6%	2.7%	1.7%	0.2%	100.0%	
	1.9%	3.5%	2.3%	3.7%	5.0%	1.5%	2.0%	
Non-profit, other	819	17	19	7	7	4	873	
	93.8%	1.9%	2.2%	0.8%	0.8%	0.5%	100.0%	
	3.3%	6.6%	14.3%	1.9%	3.9%	5.9%	3.4%	
Self-employed	201	46	0	7	11	3	268	
	75.0%	17.2%	0.0%	2.6%	4.1%	1.1%	100.0%	
	0.8%	17.8%	0.0%	1.9%	6.1%	4.4%	1.0%	
Other employment	329	10	6	8	9	1	363	
	90.6%	2.8%	1.7%	2.2%	2.5%	0.3%	100.0%	
	1.3%	3.9%	4.5%	2.1%	5.0%	1.5%	1.4%	
No Response	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	24,906	258	133	375	181	68	25,921	
	96.1%	1.0%	0.5%	1.4%	0.7%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.6.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by AGE LEVEL
1985 Survey of ACS Members

	EMPLOYMENT STATUS							
AGE LEVEL	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
20-24	674	6	1	10	3	1	695	-Count
	97.0%	0.9%	0.1%	1.4%	0.4%	0.1%	100.0%	-% of Row
	2.7%	2.3%	0.8%	2.7%	1.7%	1.5%	2.7%	-% of Col
25-29	2,910	20	50	29	27	2	3,038	
	95.8%	0.7%	1.6%	1.0%	0.9%	0.1%	100.0%	
	11.7%	7.8%	37.6%	7.7%	14.9%	2.9%	11.7%	
30-34	4,229	33	50	47	30	17	4,406	
	96.0%	0.7%	1.1%	1.1%	0.7%	0.4%	100.0%	
	17.0%	12.8%	37.6%	12.5%	16.6%	25.0%	17.0%	
35-39	3,893	21	23	56	16	11	4,020	
	96.8%	0.5%	0.6%	1.4%	0.4%	0.3%	100.0%	
	15.6%	8.1%	17.3%	14.9%	8.8%	16.2%	15.5%	
40-44	4,123	29	4	62	16	8	4,242	
	97.2%	0.7%	0.1%	1.5%	0.4%	0.2%	100.0%	
	16.6%	11.2%	3.0%	16.5%	8.8%	11.8%	16.4%	
45-49	2,038	11	1	34	5	3	2,092	
	97.4%	0.5%	0.0%	1.6%	0.2%	0.1%	100.0%	
	8.2%	4.3%	0.8%	9.1%	2.8%	4.4%	8.1%	
50-54	2,407	18	1	42	13	5	2,486	
	96.8%	0.7%	0.0%	1.7%	0.5%	0.2%	100.0%	
	9.7%	7.0%	0.8%	11.2%	7.2%	7.4%	9.6%	
55-59	2,409	28	2	58	23	8	2,528	
	95.3%	1.1%	0.1%	2.3%	0.9%	0.3%	100.0%	
	9.7%	10.9%	1.5%	15.5%	12.7%	11.8%	9.8%	
60-64	1,573	41	0	25	26	7	1,672	
	94.1%	2.5%	0.0%	1.5%	1.6%	0.4%	100.0%	
	6.3%	15.9%	0.0%	6.7%	14.4%	10.3%	6.5%	
65-69	352	40	0	3	17	4	416	
	84.6%	9.6%	0.0%	0.7%	4.1%	1.0%	100.0%	
	1.4%	15.5%	0.0%	0.8%	9.4%	5.9%	1.6%	
>=70	13	2	0	1	0	0	16	
	81.3%	12.5%	0.0%	6.3%	0.0%	0.0%	100.0%	
	0.1%	0.8%	0.0%	0.3%	0.0%	0.0%	0.1%	
No Response	285	9	1	8	5	2	310	
	91.9%	2.9%	0.3%	2.6%	1.6%	0.6%	100.0%	
	1.1%	3.5%	0.8%	2.1%	2.8%	2.9%	1.2%	
TOTAL	24,906	258	133	375	181	68	25,921	
	96.1%	1.0%	0.5%	1.4%	0.7%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.7.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by RACE/ETHNICITY
1985 Survey of ACS Members

RACE/ETHNICITY

EMPLOYMENT STATUS	Black	Hispanic	American Indian	Chinese	Japanese	Korean	Subcon. Indian	Other Asian	White	Other Race	No Response	TOTAL	
Employed full-time	274	205	33	718	175	79	299	232	22,456	201	234	24,906	-Count
	1.1%	0.8%	0.1%	2.9%	0.7%	0.3%	1.2%	0.9%	90.2%	0.8%	0.9%	100.0%	-% of Row
	96.1%	94.0%	94.3%	97.6%	94.1%	97.5%	95.2%	94.7%	96.1%	93.9%	96.7%	96.1%	-% of Col
Employed part-time	0	3	1	6	0	0	1	1	243	1	2	258	
	0.0%	1.2%	0.4%	2.3%	0.0%	0.0%	0.4%	0.4%	94.2%	0.4%	0.8%	100.0%	
	0.0%	1.4%	2.9%	0.8%	0.0%	0.0%	0.3%	0.4%	1.0%	0.5%	0.8%	1.0%	
Postdoctoral or other fellowship	1	4	1	4	2	1	6	4	109	0	1	133	
	0.8%	3.0%	0.8%	3.0%	1.5%	0.8%	4.5%	3.0%	82.0%	0.0%	0.8%	100.0%	
	0.4%	1.8%	2.9%	0.5%	1.1%	1.2%	1.9%	1.6%	0.5%	0.0%	0.4%	0.5%	
Unemployed seeking	7	5	0	7	6	1	7	6	326	7	3	375	
	1.9%	1.3%	0.0%	1.9%	1.6%	0.3%	1.9%	1.6%	86.9%	1.9%	0.8%	100.0%	
	2.5%	2.3%	0.0%	1.0%	3.2%	1.2%	2.2%	2.4%	1.4%	3.3%	1.2%	1.4%	
Unemployed Not seeking	1	0	0	0	2	0	0	2	173	2	1	181	
	0.6%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	1.1%	95.6%	1.1%	0.6%	100.0%	
	0.4%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.8%	0.7%	0.9%	0.4%	0.7%	
No Response	2	1	0	1	1	0	1	0	58	3	1	68	
	2.9%	1.5%	0.0%	1.5%	1.5%	0.0%	1.5%	0.0%	85.3%	4.4%	1.5%	100.0%	
	0.7%	0.5%	0.0%	0.1%	0.5%	0.0%	0.3%	0.0%	0.2%	1.4%	0.4%	0.3%	
TOTAL	285	218	35	736	186	81	314	245	23,365	214	242	25,921	
	1.1%	0.8%	0.1%	2.8%	0.7%	0.3%	1.2%	0.9%	90.1%	0.8%	0.9%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.8.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by CITIZENSHIP
1985 Survey of ACS Members

	CITIZENSHIP						
EMPLOYMENT STATUS	U.S. Native	U.S. Naturalized	U.S. Permanent Resident	Other Visa	No Response	TOTAL	
Employed full-time	21,842	2,074	877	86	27	24,906	-Count
	87.7%	8.3%	3.5%	0.3%	0.1%	100.0%	-% of Row
	96.1%	96.9%	95.8%	87.8%	93.1%	96.1%	-% of Col
Employed part-time	235	16	7	0	0	258	
	91.1%	6.2%	2.7%	0.0%	0.0%	100.0%	
	1.0%	0.7%	0.8%	0.0%	0.0%	1.0%	
Postdoctoral or other fellowship	105	3	15	10	0	133	
	78.9%	2.3%	11.3%	7.5%	0.0%	100.0%	
	0.5%	0.1%	1.6%	10.2%	0.0%	0.5%	
Unemployed seeking	326	34	13	1	1	375	
	86.9%	9.1%	3.5%	0.3%	0.3%	100.0%	
	1.4%	1.6%	1.4%	1.0%	3.4%	1.4%	
Unemployed Not seeking	173	7	0	1	0	181	
	95.6%	3.9%	0.0%	0.6%	0.0%	100.0%	
	0.8%	0.3%	0.0%	1.0%	0.0%	0.7%	
No Response	58	6	3	0	1	68	
	85.3%	8.8%	4.4%	0.0%	1.5%	100.0%	
	0.3%	0.3%	0.3%	0.0%	3.4%	0.3%	
TOTAL	22,739	2,140	915	98	29	25,921	
	87.7%	8.3%	3.5%	0.4%	0.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.9.1

EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by GEOGRAPHIC REGION
1985 Survey of ACS Members

REGION	EMPLOYMENT STATUS: Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
Pacific	2,534	40	20	48	25	10	2,677	-Count
	94.7%	1.5%	0.7%	1.8%	0.9%	0.4%	100.0%	-% of Row
	10.2%	15.5%	15.0%	12.8%	13.8%	14.7%	10.3%	-% of Col
Mountain	783	8	11	18	8	2	830	
	94.3%	1.0%	1.3%	2.2%	1.0%	0.2%	100.0%	
	3.1%	3.1%	8.3%	4.8%	4.4%	2.9%	3.2%	
W.N. Central	1,419	14	5	14	9	2	1,463	
	97.0%	1.0%	0.3%	1.0%	0.6%	0.1%	100.0%	
	5.7%	5.4%	3.8%	3.7%	5.0%	2.9%	5.6%	
W.S. Central	1,785	19	5	25	15	3	1,852	
	96.4%	1.0%	0.3%	1.3%	0.8%	C.2%	100.0%	
	7.2%	7.4%	3.8%	6.7%	8.3%	4.4%	7.1%	
E.N. Central	5,290	37	21	70	43	21	5,482	
	96.5%	0.7%	0.4%	1.3%	0.8%	0.4%	100.0%	
	21.2%	14.3%	15.8%	18.7%	23.8%	30.9%	21.1%	
E.S. Central	753	2	1	7	2	2	767	
	98.2%	0.3%	0.1%	0.9%	0.3%	0.3%	100.0%	
	3.0%	0.8%	0.8%	1.9%	1.1%	2.9%	3.0%	
Mid-Atlantic	6,219	57	25	112	38	20	6,471	
	96.1%	0.9%	0.4%	1.7%	0.6%	0.3%	100.0%	
	25.0%	22.1%	18.8%	29.9%	21.0%	29.4%	25.0%	
So. Atlantic	3,830	49	42	48	24	4	3,997	
	95.8%	1.2%	1.1%	1.2%	0.6%	0.1%	100.0%	
	15.4%	19.0%	31.6%	12.8%	13.3%	5.9%	15.4%	
New England	1,793	29	2	23	12	4	1,863	
	96.2%	1.6%	0.1%	1.2%	0.6%	0.2%	100.0%	
	7.2%	11.2%	1.5%	6.1%	6.6%	5.9%	7.2%	
No Response	500	3	1	10	5	0	519	
	96.3%	0.6%	0.2%	1.9%	1.0%	0.0%	100.0%	
	2.0%	1.2%	0.8%	2.7%	2.8%	0.0%	2.0%	
TOTAL	24,906	258	133	375	181	68	25,921	
	96.1%	1.0%	0.5%	1.4%	0.7%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.1.1

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by HIGHEST DEGREE
1985 Survey of ACS Members

	HIGHEST DEGREE					
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL	
<=1	20	11	23	0	54	-Count
	37.0%	20.4%	42.6%	0.0%	100.0%	-% of Row
	13.5%	13.6%	16.0%	0.0%	14.4%	-% of Col
1-3	35	20	35	0	90	
	38.9%	22.2%	38.9%	0.0%	100.0%	
	23.6%	24.7%	24.3%	0.0%	24.0%	
4-6	32	15	26	0	73	
	43.8%	20.5%	35.6%	0.0%	100.0%	
	21.6%	18.5%	18.1%	0.0%	19.5%	
7-12	26	13	20	2	61	
	42.6%	21.3%	32.8%	3.3%	100.0%	
	17.6%	16.0%	13.9%	100.0%	16.3%	
>=12	33	22	37	0	92	
	35.9%	23.9%	40.2%	0.0%	100.0%	
	22.3%	27.2%	25.7%	0.0%	24.5%	
No Response	2	0	3	0	5	
	40.0%	0.0%	60.0%	0.0%	100.0%	
	1.4%	0.0%	2.1%	0.0%	1.3%	
TOTAL	148	81	144	2	375	
	39.5%	21.6%	38.4%	0.5%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.1.2

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by HIGHEST DEGREE - MEN Only
1985 Survey of ACS Members

	HIGHEST DEGREE					
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL	
<=1	15	8	18	0	41	-Count
	36.6%	19.5%	43.9%	0.0%	100.0%	-% of Row
	14.0%	13.6%	15.5%	0.0%	14.4%	-% of Col
1-3	28	15	30	0	73	
	38.4%	20.5%	41.1%	0.0%	100.0%	
	26.2%	25.4%	25.9%	0.0%	25.7%	
4-6	22	11	21	0	54	
	40.7%	20.4%	38.9%	0.0%	100.0%	
	20.6%	18.6%	18.1%	0.0%	19.0%	
7-12	17	10	12	2	41	
	41.5%	24.4%	29.3%	4.9%	100.0%	
	15.9%	16.9%	10.3%	100.0%	14.4%	
>=12	24	15	33	0	72	
	33.3%	20.8%	45.8%	0.0%	100.0%	
	22.4%	25.4%	28.4%	0.0%	25.4%	
No Response	1	0	2	0	3	
	33.3%	0.0%	66.7%	0.0%	100.0%	
	0.9%	0.0%	1.7%	0.0%	1.1%	
TOTAL	107	59	116	2	284	
	37.7%	20.8%	40.8%	0.7%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.1.3

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by HIGHEST DEGREE - WOMEN Only
1985 Survey of ACS Members

	HIGHEST DEGREE					
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL	
<=1	4	3	3	0	10	-Count
	40.0%	30.0%	30.0%	0.0%	100.0%	-% of Row
	10.3%	14.3%	13.0%	***.*%	12.0%	-% of Col
1-3	6	5	5	0	16	
	37.5%	31.3%	31.3%	0.0%	100.0%	
	15.4%	23.8%	21.7%	***.*%	19.3%	
4-6	10	4	5	0	19	
	52.6%	21.1%	26.3%	0.0%	100.0%	
	25.6%	19.0%	21.7%	***.*%	22.9%	
7-12	9	3	6	0	18	
	50.0%	16.7%	33.3%	0.0%	100.0%	
	23.1%	14.3%	26.1%	***.*%	21.7%	
>=12	9	6	3	0	18	
	50.0%	33.3%	16.7%	0.0%	100.0%	
	23.1%	28.6%	13.0%	***.*%	21.7%	
No Response	1	0	1	0	2	
	50.0%	0.0%	50.0%	0.0%	100.0%	
	2.6%	0.0%	4.3%	***.*%	2.4%	
TOTAL	39	21	23	0	83	
	47.0%	25.3%	27.7%	0.0%	100.0%	
	100.0%	100.0%	100.0%	***.*%	100.0%	

Table 9.2.1

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by AGE LEVEL
1985 Survey of ACS Members

	MONTHS UNEMPLOYED						
AGE LEVEL	<=1	1-3	4-6	7-12	>=12	No Response	TOTAL
20-24	2	4	2	2	0	0	10 -Count
	20.0%	40.0%	20.0%	20.0%	0.0%	0.0%	100.0% -% of Row
	3.7%	4.4%	2.7%	3.3%	0.0%	0.0%	2.7% -% of Col
25-29	8	7	8	4	1	1	29
	27.6%	24.1%	27.6%	13.8%	3.4%	3.4%	100.0%
	14.8%	7.8%	11.0%	6.6%	1.1%	20.0%	7.7%
30-34	4	11	14	9	8	1	47
	8.5%	23.4%	29.8%	19.1%	17.0%	2.1%	100.0%
	7.4%	12.2%	19.2%	14.8%	8.7%	20.0%	12.5%
35-39	8	15	14	11	7	1	56
	14.3%	26.8%	25.0%	19.6%	12.5%	1.8%	100.0%
	14.8%	16.7%	19.2%	18.0%	7.6%	20.0%	14.9%
40-44	6	18	14	10	14	0	62
	9.7%	29.0%	22.6%	16.1%	22.6%	0.0%	100.0%
	11.1%	20.0%	19.2%	16.4%	15.2%	0.0%	16.5%
45-49	4	12	5	3	10	0	34
	11.8%	35.3%	14.7%	8.8%	29.4%	0.0%	100.0%
	7.4%	13.3%	6.8%	4.9%	10.9%	0.0%	9.1%
50-54	3	7	8	4	19	1	42
	7.1%	16.7%	19.0%	9.5%	45.2%	2.4%	100.0%
	5.6%	7.8%	11.0%	6.6%	20.7%	20.0%	11.2%
55-59	12	10	7	11	17	1	58
	20.7%	17.2%	12.1%	19.0%	29.3%	1.7%	100.0%
	22.2%	11.1%	9.6%	18.0%	18.5%	20.0%	15.5%
60-64	5	5	0	4	11	0	25
	20.0%	20.0%	0.0%	16.0%	44.0%	0.0%	100.0%
	9.3%	5.6%	0.0%	6.6%	12.0%	0.0%	6.7%
65-69	1	0	0	1	1	0	3
	33.3%	0.0%	0.0%	33.3%	33.3%	0.0%	100.0%
	1.9%	0.0%	0.0%	1.6%	1.1%	0.0%	0.8%
>=70	0	0	0	1	0	0	1
	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.3%
No Response	1	1	1	1	4	0	8
	12.5%	12.5%	12.5%	12.5%	50.0%	0.0%	100.0%
	1.9%	1.1%	1.4%	1.6%	4.3%	0.0%	2.1%
TOTAL	54	90	73	61	92	5	375
	14.4%	24.0%	19.5%	16.3%	24.5%	1.3%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9.3.1

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by NON-ACADEMIC WORK FUNCTION
1985 Survey of ACS Members

NON-ACADEMIC WORK FUNCTION	MONTHS UNEMPLOYED <=1	1-3	4-6	7-12	>=12	No Response	TOTAL	
Mgt-R&D	8	15	8	5	13	1	50	-Count
	16.0%	30.0%	16.0%	10.0%	26.0%	2.0%	100.0%	-% of Row
	14.8%	16.7%	11.0%	8.2%	14.1%	20.0%	13.3%	-% of Col
Basic Research	6	7	6	6	10	0	35	
	17.1%	20.0%	17.1%	17.1%	28.6%	0.0%	100.0%	
	11.1%	7.8%	8.2%	9.8%	10.9%	0.0%	9.3%	
Applied R&D	21	29	20	15	25	2	112	
	18.8%	25.9%	17.9%	13.4%	22.3%	1.8%	100.0%	
	38.9%	32.2%	27.4%	24.6%	27.2%	40.0%	29.9%	
General Mgt	1	6	10	7	6	0	30	
	3.3%	20.0%	33.3%	23.3%	20.0%	0.0%	100.0%	
	1.9%	6.7%	13.7%	11.5%	6.5%	0.0%	8.0%	
Marketing	2	5	4	5	10	1	27	
	7.4%	18.5%	14.8%	18.5%	37.0%	3.7%	100.0%	
	3.7%	5.6%	5.5%	8.2%	10.9%	20.0%	7.2%	
Prod & QC	10	12	11	10	10	0	53	
	18.9%	22.6%	20.8%	18.9%	18.9%	0.0%	100.0%	
	18.5%	13.3%	15.1%	16.4%	10.9%	0.0%	14.1%	
Forensic	2	7	6	7	5	0	27	
	7.4%	25.9%	22.2%	25.9%	18.5%	0.0%	100.0%	
	3.7%	7.8%	8.2%	11.5%	5.4%	0.0%	7.2%	
Writing/ Editing	2	1	2	3	6	0	14	
	14.3%	7.1%	14.3%	21.4%	42.9%	0.0%	100.0%	
	3.7%	1.1%	2.7%	4.9%	6.5%	0.0%	3.7%	
Data Processing	0	1	1	1	0	0	3	
	0.0%	33.3%	33.3%	33.3%	0.0%	0.0%	100.0%	
	0.0%	1.1%	1.4%	1.6%	0.0%	0.0%	0.8%	
Consulting	1	5	2	2	5	1	16	
	6.3%	31.3%	12.5%	12.5%	31.3%	6.3%	100.0%	
	1.9%	5.6%	2.7%	3.3%	5.4%	20.0%	4.3%	
Other	1	2	3	0	2	0	8	
	12.5%	25.0%	37.5%	0.0%	25.0%	0.0%	100.0%	
	1.9%	2.2%	4.1%	0.0%	2.2%	0.0%	2.1%	
No Response	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	54	90	73	61	92	5	375	
	14.4%	24.0%	19.5%	16.3%	24.5%	1.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.4.1

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by WORK SPECIALTY
1985 Survey of ACS Members

	MONTHS UNEMPLOYED							
SPECIALTY	<=1	1-3	4-6	7-12	>=12	No Response	TOTAL	
Biochemistry	6	7	5	7	6	0	31	-Count
	19.4%	22.6%	16.1%	22.6%	19.4%	0.0%	100.0	-% of Row
	11.1%	7.8%	6.8%	11.5%	6.5%	0.0%	8.3%	-% of Col
General chemistry	4	3	2	3	4	0	16	
	25.0%	18.8%	12.5%	18.8%	25.0%	0.0%	100.0%	
	7.4%	3.3%	2.7%	4.9%	4.3%	0.0%	4.3%	
Analytical chemistry	18	24	21	17	22	1	103	
	17.5%	23.3%	20.4%	16.5%	21.4%	1.0%	100.0%	
	33.3%	26.7%	28.8%	27.9%	23.9%	20.0%	27.5%	
Inorganic chemistry	3	6	3	3	5	0	20	
	15.0%	30.0%	15.0%	15.0%	25.0%	0.0%	100.0%	
	5.6%	6.7%	4.1%	4.9%	5.4%	0.0%	5.3%	
Organic chemistry	8	12	6	5	9	0	40	
	20.0%	30.0%	15.0%	12.5%	22.5%	0.0%	100.0%	
	14.8%	13.3%	8.2%	8.2%	9.8%	0.0%	10.7%	
Polymer chemistry	3	11	9	7	11	1	42	
	7.1%	26.2%	21.4%	16.7%	26.2%	2.4%	100.0%	
	5.6%	12.2%	12.3%	11.5%	12.0%	20.0%	11.2%	
Pharmaceutical chemistry	2	6	2	4	4	0	18	
	11.1%	33.3%	11.1%	22.2%	22.2%	0.0%	100.0%	
	3.7%	6.7%	2.7%	6.6%	4.3%	0.0%	4.8%	
Medicinal/ clinical chemistry	4	3	7	5	6	2	27	
	14.8%	11.1%	25.9%	18.5%	22.2%	7.4%	100.0%	
	7.4%	3.3%	9.6%	8.2%	6.5%	40.0%	7.2%	
Theoretical chemistry	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Environmental chemistry	1	6	10	7	7	1	32	
	3.1%	18.8%	31.3%	21.9%	21.9%	3.1%	100.0%	
	1.9%	6.7%	13.7%	11.5%	7.6%	20.0%	8.5%	
Agricultural/ food chemistry	1	3	5	3	9	0	21	
	4.8%	14.3%	23.8%	14.3%	42.9%	0.0%	100.0%	
	1.9%	3.3%	6.8%	4.9%	9.8%	0.0%	5.6%	
Physical chemistry	0	6	1	0	6	0	13	
	0.0%	46.2%	7.7%	0.0%	46.2%	0.0%	100.0%	
	0.0%	6.7%	1.4%	0.0%	6.5%	0.0%	3.5%	
Other chemistry	4	3	2	0	3	0	12	
	33.3%	25.0%	16.7%	0.0%	25.0%	0.0%	100.0%	
	7.4%	3.3%	2.7%	0.0%	3.3%	0.0%	3.2%	
Non-chemistry	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	54	90	73	61	92	5	375	
	14.4%	24.0%	19.5%	16.3%	24.5%	1.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.5.1

LENGTH of UNEMPLOYMENT of NON-ACADEMIC CHEMISTS UNEMPLOYED on MARCH 1, 1985
by GEOGRAPHIC REGION
1985 Survey of ACS Members

	MONTHS UNEMPLOYED							
REGION	<=1	1-3	4-6	7-12	>=12	No Response	TOTAL	
Pacific	1	11	19	9	7	1	48	-Count
	2.1%	22.9%	39.6%	18.8%	14.6%	2.1%	100.0%	-% of Row
	1.9%	12.2%	26.0%	14.8%	7.6%	20.0%	12.8%	-% of Col
Mountain	2	6	3	4	3	0	18	
	11.1%	33.3%	16.7%	22.2%	16.7%	0.0%	100.0%	
	3.7%	6.7%	4.1%	6.6%	3.3%	0.0%	4.8%	
W.N. Central	3	3	1	3	4	0	14	
	21.4%	21.4%	7.1%	21.4%	28.6%	0.0%	100.0%	
	5.6%	3.3%	1.4%	4.9%	4.3%	0.0%	3.7%	
W.S. Central	1	7	4	4	9	0	25	
	4.0%	28.0%	16.0%	16.0%	36.0%	0.0%	100.0%	
	1.9%	7.8%	5.5%	6.6%	9.8%	0.0%	6.7%	
E.N. Central	13	19	15	7	14	2	70	
	18.6%	27.1%	21.4%	10.0%	20.0%	2.9%	100.0%	
	24.1%	21.1%	20.5%	11.5%	15.2%	40.0%	18.7%	
E.S. Central	0	1	3	2	1	0	7	
	0.0%	14.3%	42.9%	28.6%	14.3%	0.0%	100.0%	
	0.0%	1.1%	4.1%	3.3%	1.1%	0.0%	1.9%	
Mid-Atlantic	22	26	13	15	35	1	112	
	19.6%	23.2%	11.6%	13.4%	31.3%	0.9%	100.0%	
	40.7%	28.9%	17.8%	24.6%	38.0%	20.0%	29.9%	
So. Atlantic	6	11	8	13	9	1	48	
	12.5%	22.9%	16.7%	27.1%	18.8%	2.1%	100.0%	
	11.1%	12.2%	11.0%	21.3%	9.8%	20.0%	12.8%	
New England	4	5	4	4	6	0	23	
	17.4%	21.7%	17.4%	17.4%	26.1%	0.0%	100.0%	
	7.4%	5.6%	5.5%	6.6%	6.5%	0.0%	6.1%	
No Response	2	1	3	0	4	0	10	
	20.0%	10.0%	30.0%	0.0%	40.0%	0.0%	100.0%	
	3.7%	1.1%	4.1%	0.0%	4.3%	0.0%	2.7%	
TOTAL	54	90	73	61	92	5	375	
	14.4%	24.0%	19.5%	16.3%	24.5%	1.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.1.1

EMPLOYMENT STATUS OF ACADEMIC RESPONDENTS
by WORK SPECIALTY
1985 Survey of ACS Members

	EMPLOYMENT STATUS							
SPECIALTY	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
Chemical engineering	218	11	4	6	2	0	241	-Count
	90.5%	4.6%	1.7%	2.5%	0.8%	0.0%	100.0%	-% of Row
	2.5%	4.0%	0.7%	4.1%	2.2%	0.0%	2.5%	-% of Col
Biochemistry	1,314	30	167	18	11	6	1,546	
	85.0%	1.9%	10.8%	1.2%	0.7%	0.4%	100.0%	
	15.3%	10.8%	27.4%	12.4%	12.2%	17.6%	15.8%	
General chemistry	1,030	62	1	20	10	6	1,129	
	91.2%	5.5%	0.1%	1.8%	0.9%	0.5%	100.0%	
	12.0%	22.3%	0.2%	13.8%	11.1%	17.6%	11.6%	
Analytical chemistry	894	21	31	7	8	5	966	
	92.5%	2.2%	3.2%	0.7%	0.8%	0.5%	100.0%	
	10.4%	7.6%	5.1%	4.8%	8.9%	14.7%	9.9%	
Inorganic chemistry	681	12	61	4	2	1	761	
	89.5%	1.6%	8.0%	0.5%	0.3%	0.1%	100.0%	
	7.9%	4.3%	10.0%	2.8%	2.2%	2.9%	7.8%	
Organic chemistry	1,415	40	127	11	13	3	1,609	
	87.9%	2.5%	7.9%	0.7%	0.8%	0.2%	100.0%	
	16.4%	14.4%	20.9%	7.6%	14.4%	8.8%	16.5%	
Polymer chemistry	212	3	12	11	1	2	241	
	88.0%	1.2%	5.0%	4.6%	0.4%	0.8%	100.0%	
	2.5%	1.1%	2.0%	7.6%	1.1%	5.9%	2.5%	
Pharmaceutical chemistry	86	0	14	1	6	0	107	
	80.4%	0.0%	13.1%	0.9%	5.6%	0.0%	100.0%	
	1.0%	0.0%	2.3%	0.7%	6.7%	0.0%	1.1%	
Medicinal/ clinical chemistry	247	6	38	6	1	0	298	
	82.9%	2.0%	12.8%	2.0%	0.3%	0.0%	100.0%	
	2.9%	2.2%	6.2%	4.1%	1.1%	0.0%	3.1%	
Theoretical chemistry	132	3	9	3	0	0	147	
	89.8%	2.0%	6.1%	2.0%	0.0%	0.0%	100.0%	
	1.5%	1.1%	1.5%	2.1%	0.0%	0.0%	1.5%	
Environmental chemistry	243	8	15	5	3	0	274	
	88.7%	2.9%	5.5%	1.8%	1.1%	0.0%	100.0%	
	2.8%	2.9%	2.5%	3.4%	3.3%	0.0%	2.8%	
Agricultural/ food chemistry	166	5	5	2	4	1	183	
	90.7%	2.7%	2.7%	1.1%	2.2%	0.5%	100.0%	
	1.9%	1.8%	0.8%	1.4%	4.4%	2.9%	1.9%	
Physical chemistry	917	27	66	12	8	2	1,032	
	88.9%	2.6%	6.4%	1.2%	0.8%	0.2%	100.0%	
	10.6%	9.7%	10.8%	8.3%	8.9%	5.9%	10.6%	
Other chemistry	197	7	13	2	4	2	225	
	87.6%	3.1%	5.8%	0.9%	1.8%	0.9%	100.0%	
	2.3%	2.5%	2.1%	1.4%	4.4%	5.9%	2.3%	
Non-chemistry	459	24	12	11	5	3	514	
	89.3%	4.7%	2.3%	2.1%	1.0%	0.6%	100.0%	
	5.3%	8.6%	2.0%	7.6%	5.6%	8.8%	5.3%	
No Response	402	19	34	26	12	3	496	
	81.0%	3.8%	6.9%	5.2%	2.4%	0.6%	100.0%	
	4.7%	6.8%	5.6%	17.9%	13.3%	8.8%	5.1%	
TOTAL	8,613	278	609	145	90	34	9,769	
	88.2%	2.8%	6.2%	1.5%	0.9%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.2.1

EMPLOYMENT STATUS OF ALL ACADEMIC RESPONDENTS
according to WORK FIELD
1985 Survey of ACS Members

	WORK FIELD						
EMPLOYMENT STATUS	Chemical eng.	Bio-chem.	Chemistry	Non-chemistry	No Response	TOTAL	
Employed full-time	218	1,314	6,220	459	402	8,613	-Count
	2.5%	15.3%	72.2%	5.3%	4.7%	100.0%	-% of Row
	90.5%	85.0%	89.2%	89.3%	81.0%	88.2%	-% of Col
Employed part-time	11	30	194	24	19	278	
	4.0%	10.8%	69.8%	8.6%	6.8%	100.0%	
	4.6%	1.9%	2.8%	4.7%	3.8%	2.8%	
Postdoctoral or other fellowship	4	167	392	12	34	609	
	0.7%	27.4%	64.4%	2.0%	5.6%	100.0%	
	1.7%	10.8%	5.6%	2.3%	6.9%	6.2%	
Unemployed seeking	6	18	84	11	26	145	
	4.1%	12.4%	57.9%	7.6%	17.9%	100.0%	
	2.5%	1.2%	1.2%	2.1%	5.2%	1.5%	
Unemployed Not seeking	2	11	60	5	12	90	
	2.2%	12.2%	66.7%	5.6%	13.3%	100.0%	
	0.8%	0.7%	0.9%	1.0%	2.4%	0.9%	
No Response	0	6	22	3	3	34	
	0.0%	17.6%	64.7%	8.8%	8.8%	100.0%	
	0.0%	0.4%	0.3%	0.6%	0.6%	0.3%	
TOTAL	241	1,546	6,972	514	496	9,769	
	2.5%	15.8%	71.4%	5.3%	5.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.3.1

EMPLOYMENT STATUS OF ACADEMIC RESPONDENTS
by SEX
1985 Survey of ACS Members

EMPLOYMENT STATUS	SEX				
	Men	Women	No Response	TOTAL	
Employed full-time	7,330	1,260	23	8,613	-Count
	85.1%	14.6%	0.3%	100.0%	-% of Row
	90.5%	77.2%	59.0%	88.2%	-% of Col
Employed part-time	131	145	2	278	
	47.1%	52.2%	0.7%	100.0%	
	1.6%	8.9%	5.1%	2.8%	
Postdoctoral or other fellowship	486	121	2	609	
	79.8%	19.9%	0.3%	100.0%	
	6.0%	7.4%	5.1%	6.2%	
Unemployed seeking	96	48	1	145	
	66.2%	33.1%	0.7%	100.0%	
	1.2%	2.9%	2.6%	1.5%	
Unemployed Not seeking	36	53	1	90	
	40.0%	58.9%	1.1%	100.0%	
	0.4%	3.2%	2.6%	0.9%	
No Response	19	5	10	34	
	55.9%	14.7%	29.4%	100.0%	
	0.2%	0.3%	25.6%	0.3%	
TOTAL	8,098	1,632	39	9,769	
	82.9%	16.7%	0.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 10.4.1

EMPLOYMENT STATUS OF ACADEMIC RESPONDENTS -MEN ONLY
by TYPE OF INSTITUTION
1985 Survey of ACS Members

	EMPLOYMENT STATUS							
SCHOOL TYPE	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
High school	382	11	1	9	3	1	407	-Count
	93.9%	2.7%	0.2%	2.2%	0.7%	0.2%	100.0%	-% of Row
	5.2%	8.4%	0.2%	9.4%	8.3%	5.3%	5.0%	-% of Col
Medical or prof. school	732	8	64	6	3	2	815	
	89.8%	1.0%	7.9%	0.7%	0.4%	0.2%	100.0%	
	10.0%	6.1%	13.2%	6.3%	8.3%	10.5%	10.1%	
Associate	451	14	0	3	0	1	469	
	96.2%	3.0%	0.0%	0.6%	0.0%	0.2%	100.0%	
	6.2%	10.7%	0.0%	3.1%	0.0%	5.3%	5.8%	
Bachelors	1,359	18	3	6	2	2	1,390	
	97.8%	1.3%	0.2%	0.4%	0.1%	0.1%	100.0%	
	18.5%	13.7%	0.6%	6.3%	5.6%	10.5%	17.2%	
Masters	765	17	5	3	1	1	792	
	96.6%	2.1%	0.6%	0.4%	0.1%	0.1%	100.0%	
	10.4%	13.0%	1.0%	3.1%	2.8%	5.3%	9.8%	
Doctorate	3,050	54	376	49	14	8	3,551	
	85.9%	1.5%	10.6%	1.4%	0.4%	0.2%	100.0%	
	41.6%	41.2%	77.4%	51.0%	38.9%	42.1%	43.9%	
No Response	591	9	37	20	13	4	674	
	87.7%	1.3%	5.5%	3.0%	1.9%	0.6%	100.0%	
	8.1%	6.9%	7.6%	20.8%	36.1%	21.1%	8.3%	
TOTAL	7,330	131	486	96	36	19	8,098	
	90.5%	1.6%	6.0%	1.2%	0.4%	0.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.4.2

EMPLOYMENT STATUS OF ACADEMIC RESPONDENTS -WOMEN ONLY
by TYPE OF INSTITUTION
1985 Survey of ACS Members

	EMPLOYMENT STATUS							
SCHOOL	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
High school	192	13	1	4	2	0	212	-Count
	90.6%	6.1%	0.5%	1.9%	0.9%	0.0%	100.0%	-% of Row
	15.2%	9.0%	0.8%	8.3%	3.8%	0.0%	13.0%	-% of Col
Medical or prof. school	154	6	29	7	7	0	203	
	75.9%	3.0%	14.3%	3.4%	3.4%	0.0%	100.0%	
	12.2%	4.1%	24.0%	14.6%	13.2%	0.0%	12.4%	
Associate	127	18	0	0	7	1	153	
	83.0%	11.8%	0.0%	0.0%	4.6%	0.7%	100.0%	
	10.1%	12.4%	0.0%	0.0%	13.2%	20.0%	9.4%	
Bachelors	255	36	1	3	9	0	304	
	83.9%	11.8%	0.3%	1.0%	3.0%	0.0%	100.0%	
	20.2%	24.8%	0.8%	6.3%	17.0%	0.0%	18.6%	
Masters	97	22	2	9	4	1	135	
	71.9%	16.3%	1.5%	6.7%	3.0%	0.7%	100.0%	
	7.7%	15.2%	1.7%	18.8%	7.5%	20.0%	8.3%	
Doctorate	337	40	78	18	22	1	496	
	67.9%	8.1%	15.7%	3.6%	4.4%	0.2%	100.0%	
	26.7%	27.6%	64.5%	37.5%	41.5%	20.0%	30.4%	
No Response	98	10	10	7	2	2	129	
	76.0%	7.8%	7.8%	5.4%	1.6%	1.6%	100.0%	
	7.8%	6.9%	8.3%	14.6%	3.8%	40.0%	7.9%	
TOTAL	1,260	145	121	48	53	5	1,632	
	77.2%	8.9%	7.4%	2.9%	3.2%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.5.1

EMPLOYMENT STATUS OF ACADEMIC RESPONDENTS
by RACE/ETHNICITY
1985 Survey of ACS Members

RACE/ETHNICITY	Employed full-time	Employed part-time	Postdoc. or other fellow.	Un-employed seeking	Un-employed Not seek.	No Response	TOTAL	
	EMPLOYMENT STATUS							
Black	98	2	5	2	0	0	107	-Count
	91.6%	1.9%	4.7%	1.9%	0.0%	0.0%	100.0%	-% of Row
	1.1%	0.7%	0.8%	1.4%	0.0%	0.0%	1.1%	-% of Col
Hispanic	58	4	8	4	0	0	74	
	78.4%	5.4%	10.8%	5.4%	0.0%	0.0%	100.0%	
	0.7%	1.4%	1.3%	2.8%	0.0%	0.0%	0.8%	
American Indian	17	1	1	0	0	0	19	
	89.5%	5.3%	5.3%	0.0%	0.0%	0.0%	100.0%	
	0.2%	0.4%	0.2%	0.0%	0.0%	0.0%	0.2%	
Chinese	154	4	27	6	3	1	195	
	79.0%	2.1%	13.8%	3.1%	1.5%	0.5%	100.0%	
	1.8%	1.4%	4.4%	4.1%	3.3%	2.9%	2.0%	
Japanese	58	6	14	3	1	0	82	
	70.7%	7.3%	17.1%	3.7%	1.2%	0.0%	100.0%	
	0.7%	2.2%	2.3%	2.1%	1.1%	0.0%	0.8%	
Korean	33	1	4	0	0	0	38	
	86.8%	2.6%	10.5%	0.0%	0.0%	0.0%	100.0%	
	0.4%	0.4%	0.7%	0.0%	0.0%	0.0%	0.4%	
Subcontinental Indian	90	4	39	4	0	1	138	
	65.2%	2.9%	28.3%	2.9%	0.0%	0.7%	100.0%	
	1.0%	1.4%	6.4%	2.8%	0.0%	2.9%	1.4%	
Other Asian	58	1	22	7	0	0	88	
	65.9%	1.1%	25.0%	8.0%	0.0%	0.0%	100.0%	
	0.7%	0.4%	3.6%	4.8%	0.0%	0.0%	0.9%	
White	7,900	251	476	114	83	29	8,853	
	89.2%	2.8%	5.4%	1.3%	0.9%	0.3%	100.0%	
	91.7%	90.3%	78.2%	78.6%	92.2%	85.3%	90.6%	
Other Race	62	2	8	8	2	1	79	
	78.5%	2.5%	10.1%	5.1%	2.5%	1.3%	100.0%	
	0.7%	0.7%	1.3%	2.8%	2.2%	2.9%	0.8%	
No Response	85	2	5	1	1	2	96	
	88.5%	2.1%	5.2%	1.0%	1.0%	2.1%	100.0%	
	1.0%	0.7%	0.8%	0.7%	1.1%	5.9%	1.0%	
TOTAL	8,613	278	609	145	90	34	9,769	
	88.2%	2.8%	6.2%	1.5%	0.9%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.1.1

NON-ACADEMIC RESPONDENTS by WORK SPECIALTY and HIGHEST DEGREE
1985 Survey of ACS Members

SPECIALTY	HIGHEST DEGREE					
	Bachelors	Masters	Doctorate	No Response	TOTAL	
Chemical engineering	844	705	829	15	2,393	-Count
	35.3%	29.5%	34.6%	0.6%	100.0%	-% of Row
	7.9%	10.0%	5.6%	5.6%	7.3%	-% of Col
Biochemistry	183	184	904	8	1,279	
	14.3%	14.4%	70.7%	0.6%	100.0%	
	1.7%	2.6%	6.1%	3.0%	3.9%	
General chemistry	431	193	271	6	901	
	47.8%	21.4%	30.1%	0.7%	100.0%	
	4.1%	2.7%	1.8%	2.2%	2.7%	
Analytical chemistry	2,958	1,503	1,952	54	6,467	
	45.7%	23.2%	30.2%	0.8%	100.0%	
	27.8%	21.3%	13.1%	20.1%	19.7%	
Inorganic chemistry	288	168	680	4	1,140	
	25.3%	14.7%	59.6%	0.4%	100.0%	
	2.7%	2.4%	4.6%	1.5%	3.5%	
Organic chemistry	921	664	2,002	28	3,615	
	25.5%	18.4%	55.4%	0.8%	100.0%	
	8.7%	9.4%	13.4%	10.4%	11.0%	
Polymer chemistry	1,210	823	2,145	31	4,209	
	28.7%	19.6%	51.0%	0.7%	100.0%	
	11.4%	11.6%	14.4%	11.6%	12.8%	
Pharmaceutical chemistry	341	261	564	8	1,174	
	29.0%	22.2%	48.0%	0.7%	100.0%	
	3.2%	3.7%	3.8%	3.0%	3.6%	
Medicinal/ clinical chemistry	200	186	716	8	1,110	
	18.0%	16.8%	64.5%	0.7%	100.0%	
	1.9%	2.6%	4.8%	3.0%	3.4%	
Theoretical chemistry	6	5	54	0	65	
	9.2%	7.7%	83.1%	0.0%	100.0%	
	0.1%	0.1%	0.4%	0.0%	0.2%	
Environmental chemistry	751	533	714	18	2,016	
	37.3%	26.4%	35.4%	0.9%	100.0%	
	7.1%	7.5%	4.8%	6.7%	6.1%	
Agricultural/ food chemistry	343	214	602	9	1,168	
	29.4%	18.3%	51.5%	0.8%	100.0%	
	3.2%	3.0%	4.0%	3.4%	3.6%	
Physical chemistry	252	170	1,218	8	1,648	
	15.3%	10.3%	73.9%	0.5%	100.0%	
	2.4%	2.4%	8.2%	3.0%	5.0%	
Other chemistry	366	256	500	8	1,130	
	32.4%	22.7%	44.2%	0.7%	100.0%	
	3.4%	3.6%	3.4%	3.0%	3.4%	
Non-chemistry	879	823	1,197	19	2,918	
	30.1%	28.2%	41.0%	0.7%	100.0%	
	8.3%	11.6%	8.0%	7.1%	8.9%	
No Response	668	382	543	44	1,637	
	40.8%	23.3%	33.2%	2.7%	100.0%	
	6.3%	5.4%	3.6%	16.4%	5.0%	
TOTAL	10,641	7,070	14,891	268	32,870	
	32.4%	21.5%	45.3%	0.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.2.1

NON-ACADEMIC RESPONDENTS by AGE and HIGHEST DEGREE
1985 Survey of ACS Members

AGE LEVEL	HIGHEST DEGREE				
	Bachelors	Masters	Doctorate	No Response	TOTAL
20-24	826	53	3	0	882 -Count
	93.7%	6.0%	0.3%	0.0%	100.0% -% of Row
	7.8%	0.7%	0.0%	0.0%	2.7% -% of Col
25-29	2,019	854	889	23	3,785
	53.3%	22.6%	23.5%	0.6%	100.0%
	19.0%	12.1%	6.0%	8.6%	11.5%
30-34	1,693	1,267	2,320	26	5,306
	31.9%	23.9%	43.7%	0.5%	100.0%
	15.9%	17.9%	15.6%	9.7%	16.1%
35-39	1,107	1,128	2,503	35	4,773
	23.2%	23.6%	52.4%	0.7%	100.0%
	10.4%	16.0%	16.8%	13.1%	14.5%
40-44	1,051	993	3,087	37	5,168
	20.3%	19.2%	59.7%	0.7%	100.0%
	9.9%	14.0%	20.7%	13.8%	15.7%
45-49	666	529	1,426	23	2,644
	25.2%	20.0%	53.9%	0.9%	100.0%
	6.3%	7.5%	9.6%	8.6%	8.0%
50-54	900	655	1,639	43	3,237
	27.8%	20.2%	50.6%	1.3%	100.0%
	8.5%	9.3%	11.0%	16.0%	9.8%
55-59	1,129	787	1,489	37	3,442
	32.8%	22.9%	43.3%	1.1%	100.0%
	10.6%	11.1%	10.0%	13.8%	10.5%
60-64	867	580	1,038	16	2,501
	34.7%	23.2%	41.5%	0.6%	100.0%
	8.1%	8.2%	7.0%	6.0%	7.6%
65-69	226	128	313	5	672
	33.6%	19.0%	46.6%	0.7%	100.0%
	2.1%	1.8%	2.1%	1.9%	2.0%
>=70	5	6	11	0	22
	22.7%	27.3%	50.0%	0.0%	100.0%
	0.0%	0.1%	0.1%	0.0%	0.1%
No Response	152	90	173	23	438
	34.7%	20.5%	39.5%	5.3%	100.0%
	1.4%	1.3%	1.2%	8.6%	1.3%
TOTAL	10,641	7,070	14,891	268	32,870
	32.4%	21.5%	45.3%	0.8%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%

Table 11.2.2

NON-ACADEMIC RESPONDENTS by AGE and HIGHEST DEGREE - MEN Only
1985 Survey of ACS Members

	HIGHEST DEGREE					
AGE LEVEL	Bachelors	Masters	Doctorate	No Response	TOTAL	
20-24	432	31	2	0	465	-Count
	92.9%	6.7%	0.4%	0.0%	100.0%	-% of Row
	5.2%	0.5%	0.0%	0.0%	1.7%	-% of Col
25-29	1,303	564	711	10	2,588	
	50.3%	21.8%	27.5%	0.4%	100.0%	
	15.5%	9.8%	5.2%	4.9%	9.3%	
30-34	1,282	974	1,988	18	4,262	
	30.1%	22.9%	46.6%	0.4%	100.0%	
	15.3%	16.9%	14.6%	8.9%	15.2%	
35-39	919	909	2,278	24	4,130	
	22.3%	22.0%	55.2%	0.6%	100.0%	
	11.0%	15.8%	16.7%	11.8%	14.8%	
40-44	847	788	2,868	32	4,535	
	18.7%	17.4%	63.2%	0.7%	100.0%	
	10.1%	13.7%	21.0%	15.8%	16.2%	
45-49	585	444	1,330	19	2,378	
	24.6%	18.7%	55.9%	0.8%	100.0%	
	7.0%	7.7%	9.8%	9.4%	8.5%	
50-54	830	584	1,563	37	3,014	
	27.5%	19.4%	51.9%	1.2%	100.0%	
	9.9%	10.2%	11.5%	18.2%	10.8%	
55-59	1,047	717	1,409	35	3,208	
	32.6%	22.4%	43.9%	1.1%	100.0%	
	12.5%	12.5%	10.3%	17.2%	11.5%	
60-64	812	545	1,007	16	2,380	
	34.1%	22.9%	42.3%	0.7%	100.0%	
	9.7%	9.5%	7.4%	7.9%	8.5%	
65-69	217	126	306	5	654	
	33.2%	19.3%	46.8%	0.8%	100.0%	
	2.6%	2.2%	2.2%	2.5%	2.3%	
>=70	5	4	11	0	20	
	25.0%	20.0%	55.0%	0.0%	100.0%	
	0.1%	0.1%	0.1%	0.0%	0.1%	
No Response	106	64	153	7	330	
	32.1%	19.4%	46.4%	2.1%	100.0%	
	1.3%	1.1%	1.1%	3.4%	1.2%	
TOTAL	8,385	5,750	13,626	203	27,964	
	30.0%	20.6%	48.7%	0.7%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.2.3

NON-ACADEMIC RESPONDENTS by AGE and HIGHEST DEGREE - WOMEN Only
1985 Survey of ACS Members

	HIGHEST DEGREE					
AGE LEVEL	Bachelors	Masters	Doctorate	No Response	TOTAL	
20-24	392	21	0	0	413	-Count
	94.9%	5.1%	0.0%	0.0%	100.0%	-% of Row
	17.8%	1.6%	0.0%	0.0%	8.7%	-% of Col
25-29	713	289	178	13	1,193	
	59.8%	24.2%	14.9%	1.1%	100.0%	
	32.3%	22.2%	14.6%	27.1%	25.0%	
30-34	399	292	328	8	1,027	
	38.9%	28.4%	31.9%	0.8%	100.0%	
	18.1%	22.5%	27.0%	16.7%	21.5%	
35-39	186	215	221	11	633	
	29.4%	34.0%	34.9%	1.7%	100.0%	
	8.4%	16.6%	18.2%	22.9%	13.3%	
40-44	201	205	216	5	627	
	32.1%	32.7%	34.4%	0.8%	100.0%	
	9.1%	15.8%	17.7%	10.4%	13.1%	
45-49	79	84	95	3	261	
	30.3%	32.2%	36.4%	1.1%	100.0%	
	3.6%	6.5%	7.8%	6.3%	5.5%	
50-54	67	69	67	6	209	
	32.1%	33.0%	32.1%	2.9%	100.0%	
	3.0%	5.3%	5.5%	12.5%	4.4%	
55-59	77	67	66	2	212	
	36.3%	31.6%	31.1%	0.9%	100.0%	
	3.5%	5.2%	5.4%	4.2%	4.4%	
60-64	53	35	31	0	119	
	44.5%	29.4%	26.1%	0.0%	100.0%	
	2.4%	2.7%	2.5%	0.0%	2.5%	
65-69	9	2	6	0	17	
	52.9%	11.8%	35.3%	0.0%	100.0%	
	0.4%	0.2%	0.5%	0.0%	0.4%	
>=70	0	2	0	0	2	
	0.0%	100.0%	0.0%	0.0%	100.0%	
	0.0%	0.2%	0.0%	0.0%	0.0%	
No Response	31	18	9	0	58	
	53.4%	31.0%	15.5%	0.0%	100.0%	
	.4%	1.4%	0.7%	0.0%	1.2%	
TOTAL	2,207	1,299	1,217	48	4,771	
	46.3%	27.2%	25.5%	1.0%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.3.1

NON-ACADEMIC RESPONDENTS by SEX and DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
SEX	Bachelors	Masters	Doctorate	No Response	TOTAL	
Men	8,385	5,750	13,626	203	27,964	-Count
	30.0%	20.6%	48.7%	0.7%	100.0%	-% of Row
	78.8%	81.3%	91.5%	75.7%	85.1%	-% of Col
Women	2,207	1,299	1,217	48	4,771	
	46.3%	27.2%	25.5%	1.0%	100.0%	
	20.7%	18.4%	8.2%	17.9%	14.5%	
No Response	49	21	48	17	135	
	36.3%	15.6%	35.6%	12.6%	100.0%	
	0.5%	0.3%	0.3%	6.3%	0.4%	
TOTAL	10,641	7,070	14,891	268	32,870	
	32.4%	21.5%	45.3%	0.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.4.1

NON-ACADEMIC RESPONDENTS by RACE/ETHNICITY AND HIGHEST DEGREE
1985 Survey of ACS Members

RACE/ETHNICITY	HIGHEST DEGREE					
	Bachelors	Masters	Doctorate	No Response	TOTAL	
Black	153	86	107	3	349	-Count
	43.8%	24.6%	30.7%	0.9%	100.0%	-% of Row
	1.4%	1.2%	0.7%	1.1%	1.1%	-% of Col
Hispanic	132	69	106	3	310	
	42.6%	22.3%	34.2%	1.0%	100.0%	
	1.2%	1.0%	0.7%	1.1%	0.9%	
American Indian	23	12	10	1	46	
	50.0%	26.1%	21.7%	2.2%	100.0%	
	0.2%	0.2%	0.1%	0.4%	0.1%	
Chinese	104	157	646	3	910	
	11.4%	17.3%	71.0%	0.3%	100.0%	
	1.0%	2.2%	4.3%	1.1%	2.8%	
Japanese	61	43	106	2	212	
	28.8%	20.3%	50.0%	0.9%	100.0%	
	0.6%	0.6%	0.7%	0.7%	0.6%	
Korean	14	17	58	1	90	
	15.6%	18.9%	64.4%	1.1%	100.0%	
	0.1%	0.2%	0.4%	0.4%	0.3%	
Subcontinental Indian	24	65	300	5	394	
	6.1%	16.5%	76.1%	1.3%	100.0%	
	0.2%	0.9%	2.0%	1.9%	1.2%	
Other Asian	79	81	134	2	296	
	26.7%	27.4%	45.3%	0.7%	100.0%	
	0.7%	1.1%	0.9%	0.7%	0.9%	
White	9,882	6,402	13,139	227	29,650	
	33.3%	21.6%	44.3%	0.8%	100.0%	
	92.9%	90.6%	88.2%	84.7%	90.2%	
Other Race	78	63	122	2	265	
	29.4%	23.8%	46.0%	0.8%	100.0%	
	0.7%	0.9%	0.8%	0.7%	0.8%	
No Response	91	75	163	19	348	
	26.1%	21.6%	46.8%	5.5%	100.0%	
	0.9%	1.1%	1.1%	7.1%	1.1%	
TOTAL	10,641	7,070	14,891	268	32,870	
	32.4%	21.5%	45.3%	0.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.5.1

NON-ACADEMIC RESPONDENTS by RACE/ETHNICITY and SEX
1985 Survey of ACS Members

RACE/ETHNICITY	SEX: Men	Women	No Response	TOTAL	
Black	251	96	2	349	-Count
	71.9%	27.5%	0.6%	100.0%	-% of Row
	0.9%	2.0%	1.5%	1.1%	-% of Col
Hispanic	245	62	3	310	
	79.0%	20.0%	1.0%	100.0%	
	0.9%	1.3%	2.2%	0.9%	
American Indian	37	9	0	46	
	80.4%	19.6%	0.0%	100.0%	
	0.1%	0.2%	0.0%	0.1%	
Chinese	730	177	3	910	
	80.2%	19.5%	0.3%	100.0%	
	2.6%	3.7%	2.2%	2.8%	
Japanese	182	30	0	212	
	85.8%	14.2%	0.0%	100.0%	
	0.7%	0.6%	0.0%	0.6%	
Korean	78	12	0	90	
	86.7%	13.3%	0.0%	100.0%	
	0.3%	0.3%	0.0%	0.3%	
Subcontinental Indian	369	24	1	394	
	93.7%	6.1%	0.3%	100.0%	
	1.3%	0.5%	0.7%	1.2%	
Other Asian	210	84	2	296	
	70.9%	28.4%	0.7%	100.0%	
	0.8%	1.8%	1.5%	0.9%	
White	25,355	4,218	77	29,650	
	85.5%	14.2%	0.3%	100.0%	
	90.7%	88.4%	57.0%	90.2%	
Other Race	231	26	8	265	
	87.2%	9.8%	3.0%	100.0%	
	0.8%	0.5%	5.9%	0.8%	
No Response	276	33	39	348	
	79.3%	9.5%	11.2%	100.0%	
	1.0%	0.7%	28.9%	1.1%	
TOTAL	27,964	4,771	135	32,870	
	85.1%	14.5%	0.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 11.6.1

NON-ACADEMIC RESPONDENTS by RACE/ETHNICITY and CITIZENSHIP
1985 Survey of ACS Members

	RACE/ETHNICITY												
CITIZENSHIP	Black	Hispanic	American Indian	Chinese	Japanese	Korean	Subcon. Indian	Other Asian	White	Other Race	No Response	TOTAL	
U.S. Native	302	182	46	114	157	18	1	18	27,561	192	275	28,866	-Count
	1.0%	0.6%	0.2%	0.4%	0.5%	0.1%	0.0%	0.1%	95.5%	0.7%	1.0%	100.0%	-% of Row
	86.5%	58.7%	100.0%	12.5%	74.1%	20.0%	0.3%	6.1%	93.0%	72.5%	79.0%	87.8%	-% of Col
U.S. Naturalized	15	95	0	577	26	64	192	188	1,459	58	25	2,699	
	0.6%	3.5%	0.0%	21.4%	1.0%	2.4%	7.1%	7.0%	54.1%	2.1%	0.9%	100.0%	
	4.3%	30.6%	0.0%	63.4%	12.3%	71.1%	48.7%	63.5%	4.9%	21.9%	7.2%	8.2%	
U.S. Permanent Resident Visa	27	30	0	196	19	8	187	84	552	14	12	1,129	
	2.4%	2.7%	0.0%	17.4%	1.7%	0.7%	16.6%	7.4%	48.9%	1.2%	1.1%	100.0%	
	7.7%	9.7%	0.0%	21.5%	9.0%	8.9%	47.5%	28.4%	1.9%	5.3%	3.4%	3.4%	
Other Visa	3	3	0	22	9	0	13	6	62	1	1	120	
	2.5%	2.5%	0.0%	18.3%	7.5%	0.0%	10.8%	5.0%	51.7%	0.8%	0.8%	100.0%	
	0.9%	1.0%	0.0%	2.4%	4.2%	0.0%	3.3%	2.0%	0.2%	0.4%	0.3%	0.4%	
No Response	2	0	0	1	1	0	1	0	16	0	35	56	
	3.6%	0.0%	0.0%	1.8%	1.8%	0.0%	1.8%	0.0%	28.6%	0.0%	62.5%	100.0%	
	0.6%	0.0%	0.0%	0.1%	0.5%	0.0%	0.3%	0.0%	0.1%	0.0%	10.1%	0.2%	
TOTAL	349	310	46	910	212	90	394	296	29,650	265	348	32,870	
	1.1%	0.9%	0.1%	2.8%	0.6%	0.3%	1.2%	0.9%	90.2%	0.8%	1.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 12.1.1

ACADEMIC RESPONDENTS by AGE and TENURE STATUS
1985 Survey of ACS Members

	TENURE STATUS				
AGE LEVEL	Yes	No	No Response	TOTAL	
20-24	4	49	23	76	-Count
	5.3%	64.5%	30.3%	100.0%	-% of Row
	0.1%	1.4%	3.5%	0.8%	-% of Col
25-29	21	545	108	674	
	3.1%	80.9%	16.0%	100.0%	
	0.4%	15.2%	16.6%	6.9%	
30-34	161	1,053	98	1,312	
	12.3%	80.3%	7.5%	100.0%	
	2.9%	29.4%	15.1%	13.4%	
35-39	539	688	88	1,315	
	41.0%	52.3%	6.7%	100.0%	
	9.7%	19.2%	13.6%	13.5%	
40-44	1,344	564	83	1,991	
	67.5%	28.3%	4.2%	100.0%	
	24.3%	15.7%	12.8%	20.4%	
45-49	891	211	36	1,138	
	78.3%	18.5%	3.2%	100.0%	
	16.1%	5.9%	5.5%	11.6%	
50-54	954	167	58	1,179	
	80.9%	14.2%	4.9%	100.0%	
	17.2%	4.7%	8.9%	12.1%	
55-59	728	144	71	943	
	77.2%	15.3%	7.5%	100.0%	
	13.2%	4.0%	10.9%	9.7%	
60-64	587	101	49	737	
	79.6%	13.7%	6.6%	100.0%	
	10.6%	2.8%	7.6%	7.5%	
65-69	232	23	20	275	
	84.4%	8.4%	7.3%	100.0%	
	4.2%	0.6%	3.1%	2.8%	
>=70	1	2	2	5	
	20.0%	40.0%	40.0%	100.0%	
	0.0%	0.1%	0.3%	0.1%	
No Response	73	38	13	124	
	58.9%	30.6%	10.5%	100.0%	
	1.3%	1.1%	2.0%	1.3%	
TOTAL	5,535	3,585	649	9,769	
	56.7%	36.7%	6.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 12.2.1

ACADEMIC RESPONDENTS by SEX and AGE
1985 Survey of ACS Members

AGE LEVEL	SEX				
	Men	Women	No Response	TOTAL	
20-24	46	30	0	76	-Count
	60.5%	39.5%	0.0%	100.0%	-% of Row
	0.6%	1.8%	0.0%	0.8%	-% of Col
25-29	496	177	1	674	
	73.6%	26.3%	0.1%	100.0%	
	6.1%	10.8%	2.6%	6.9%	
30-34	1,049	262	1	1,312	
	80.0%	20.0%	0.1%	100.0%	
	13.0%	16.1%	2.6%	13.4%	
35-39	1,038	270	7	1,315	
	78.9%	20.5%	0.5%	100.0%	
	12.8%	16.5%	17.9%	13.5%	
40-44	1,651	337	3	1,991	
	82.9%	16.9%	0.2%	100.0%	
	20.4%	20.6%	7.7%	20.4%	
45-49	990	143	5	1,138	
	87.0%	12.6%	0.4%	100.0%	
	12.2%	8.8%	12.8%	11.6%	
50-54	1,046	130	3	1,179	
	88.7%	11.0%	0.3%	100.0%	
	12.9%	8.0%	7.7%	12.1%	
55-59	802	135	6	943	
	85.0%	14.3%	0.6%	100.0%	
	9.9%	8.3%	15.4%	9.7%	
60-64	648	87	2	737	
	87.9%	11.8%	0.3%	100.0%	
	8.0%	5.3%	5.1%	7.5%	
65-69	246	29	0	275	
	89.5%	10.5%	0.0%	100.0%	
	3.0%	1.8%	0.0%	2.8%	
>=70	4	1	0	5	
	80.0%	20.0%	0.0%	100.0%	
	0.0%	0.1%	0.0%	0.1%	
No Response	82	31	11	124	
	66.1%	25.0%	8.9%	100.0%	
	1.0%	1.9%	28.2%	1.3%	
TOTAL	8,098	1,632	39	9,769	
	82.9%	16.7%	0.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 12.3.1

ACADEMIC RESPONDENTS by SEX and HIGHEST DEGREE
1985 Survey of ACS Members

	HIGHEST DEGREE					
SEX	Bachelors	Masters	Doctorate	No Response	TOTAL	
Men	294	744	7,012	48	8,098	-Count
	3.6%	9.2%	86.6%	0.6%	100.0%	-% of Row
	62.7%	64.3%	86.7%	81.4%	82.9%	-% of Col
Women	173	408	1,042	9	1,632	
	10.6%	25.0%	63.8%	0.6%	100.0%	
	36.9%	35.3%	12.9%	15.3%	16.7%	
No Response	2	5	30	2	39	
	5.1%	12.8%	76.9%	5.1%	100.0%	
	0.4%	0.4%	0.4%	3.4%	0.4%	
TOTAL	469	1,157	8,084	59	9,769	
	4.8%	11.8%	82.8%	0.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 12.4.1

ACADEMIC RESPONDENTS by RACE/ETHNICITY and SEX
1985 Survey of ACS Members

RACE/ETHNICITY	SEX				
	Men	Women	No Response	TOTAL	
Black	87	18	2	107	-Count
	81.3%	16.8%	1.9%	100.0%	-% of Row
	1.1%	1.1%	5.1%	1.1%	-% of Col
Hispanic	59	15	0	74	
	79.7%	20.3%	0.0%	100.0%	
	0.7%	0.9%	0.0%	0.8%	
American Indian	18	1	0	19	
	94.7%	5.3%	0.0%	100.0%	
	0.2%	0.1%	0.0%	0.2%	
Chinese	151	44	0	195	
	77.4%	22.6%	0.0%	100.0%	
	1.9%	2.7%	0.0%	2.0%	
Japanese	71	11	0	82	
	86.6%	13.4%	0.0%	100.0%	
	0.9%	0.7%	0.0%	0.8%	
Korean	35	3	0	38	
	92.1%	7.9%	0.0%	100.0%	
	0.4%	0.2%	0.0%	0.4%	
Subcontinental Indian	127	11	0	138	
	92.0%	8.0%	0.0%	100.0%	
	1.6%	0.7%	0.0%	1.4%	
Other Asian	72	15	1	88	
	81.8%	17.0%	1.1%	100.0%	
	0.9%	0.9%	2.6%	0.9%	
White	7,337	1,493	23	8,853	
	82.9%	16.9%	0.3%	100.0%	
	90.6%	91.5%	59.0%	90.6%	
Other Race	60	15	4	79	
	75.9%	19.0%	5.1%	100.0%	
	0.7%	0.9%	10.3%	0.8%	
No Response	81	6	9	96	
	84.4%	6.3%	9.4%	100.0%	
	1.0%	0.4%	23.1%	1.0%	
TOTAL	8,098	1,632	39	9,769	
	82.9%	16.7%	0.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 12.5.1

ACADEMIC RESPONDENTS by RACE/ETHNICITY and CITIZENSHIP
1985 Survey of ACS Members

	CITIZENSHIP						
RACE/ETHNICITY	U.S. Native	U.S. natural-ized	U.S. Permanent Resident	Other Visa	No Response	TOTAL	
Black	89	2	11	4	1	107	-Count
	83.2%	1.9%	10.3%	3.7%	0.9%	100.0%	-% of Row
	1.1%	0.3%	2.3%	2.6%	7.7%	1.1%	-% of Col
Hispanic	43	17	11	3	0	74	
	58.1%	23.0%	14.9%	4.1%	0.0%	100.0%	
	0.5%	2.5%	2.3%	2.0%	0.0%	0.8%	
American Indian	18	0	0	1	0	19	
	94.7%	0.0%	0.0%	5.3%	0.0%	100.0%	
	0.2%	0.0%	0.0%	0.7%	0.0%	0.2%	
Chinese	28	98	48	21	0	195	
	14.4%	50.3%	24.6%	10.8%	0.0%	100.0%	
	0.3%	14.2%	10.0%	13.8%	0.0%	2.0%	
Japanese	40	10	18	14	0	82	
	48.8%	12.2%	22.0%	17.1%	0.0%	100.0%	
	0.5%	1.4%	3.8%	9.2%	0.0%	0.8%	
Korean	7	20	8	3	0	38	
	18.4%	52.6%	21.1%	7.9%	0.0%	100.0%	
	0.1%	2.9%	1.7%	2.0%	0.0%	0.4%	
Subcontinental Indian	1	56	60	21	0	138	
	0.7%	40.6%	43.5%	15.2%	0.0%	100.0%	
	0.0%	8.1%	12.5%	13.8%	0.0%	1.4%	
Other Asian	6	31	41	10	0	88	
	6.8%	35.2%	46.6%	11.4%	0.0%	100.0%	
	0.1%	4.5%	8.6%	6.6%	0.0%	0.9%	
White	8,065	439	271	71	7	8,853	
	91.1%	5.0%	3.1%	0.8%	0.1%	100.0%	
	95.6%	63.5%	56.6%	46.7%	53.8%	90.6%	
Other Race	55	14	8	2	0	79	
	69.6%	17.7%	10.1%	2.5%	0.0%	100.0%	
	0.7%	2.0%	1.7%	1.3%	0.0%	0.8%	
No Response	82	4	3	2	5	96	
	85.4%	4.2%	3.1%	2.1%	5.2%	100.0%	
	1.0%	0.6%	0.6%	1.3%	38.5%	1.0%	
TOTAL	8,434	691	479	152	13	9,769	
	86.3%	7.1%	4.9%	1.6%	0.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 12.6.1

ACADEMIC RESPONDENTS by WORK SPECIALTY and TYPE OF INSTITUTION
1985 Survey of ACS Members

SPECIALTY	SCHOOL: High School	Med/Prof. School	Associate	Bachelors	Masters	Doctorate	No Response	TOTAL	
Chemical engineering	1	5	5	10	22	190	8	241	-Count
	0.4%	2.1%	2.1%	4.1%	9.1%	78.8%	3.3%	100.0%	-% of Row
	0.2%	0.5%	0.8%	0.5%	2.4%	4.7%	1.0%	2.5%	-% of Col
Biochemistry	18	547	14	136	73	667	91	1,546	
	1.2%	35.4%	0.9%	8.8%	4.7%	43.1%	5.9%	100.0%	
	2.9%	53.5%	2.2%	8.0%	7.9%	16.4%	11.2%	15.8%	
General chemistry	301	6	308	262	96	118	38	1,129	
	26.7%	0.5%	27.3%	23.2%	8.5%	10.5%	3.4%	100.0%	
	48.5%	0.6%	49.1%	15.4%	10.3%	2.9%	4.7%	11.6%	
Analytical chemistry	6	45	41	236	126	382	130	966	
	0.6%	4.7%	4.2%	24.4%	13.0%	39.5%	13.5%	100.0%	
	1.0%	4.4%	6.5%	13.9%	13.6%	9.4%	16.0%	9.9%	
Inorganic chemistry	38	6	29	163	99	377	49	761	
	5.0%	0.8%	3.8%	21.4%	13.0%	49.5%	6.4%	100.0%	
	6.1%	0.6%	4.6%	9.6%	10.7%	9.3%	6.0%	7.8%	
Organic chemistry	16	36	109	435	211	677	125	1,609	
	1.0%	2.2%	6.8%	27.0%	13.1%	42.1%	7.8%	100.0%	
	2.6%	3.5%	17.4%	25.6%	22.7%	16.7%	15.4%	16.5%	
Polymer chemistry	2	5	0	10	24	136	64	241	
	0.8%	2.1%	0.0%	4.1%	10.0%	56.4%	26.6%	100.0%	
	0.3%	0.5%	0.0%	0.6%	2.6%	3.3%	7.9%	2.5%	
Pharmaceutical chemistry	2	34	0	2	4	46	19	107	
	1.9%	31.8%	0.0%	1.9%	3.7%	43.0%	17.8%	100.0%	
	0.3%	3.3%	0.0%	0.1%	0.4%	1.1%	2.3%	1.1%	
Medicinal/ clinical chemistry	1	151	4	19	5	101	17	298	
	0.3%	50.7%	1.3%	6.4%	1.7%	33.9%	5.7%	100.0%	
	0.2%	14.8%	0.6%	1.1%	0.5%	2.5%	2.1%	3.1%	
Theoretical chemistry	2	3	3	13	14	103	9	147	
	1.4%	2.0%	2.0%	8.8%	9.5%	70.1%	6.1%	100.0%	
	0.3%	0.3%	0.5%	0.8%	1.5%	2.5%	1.1%	1.5%	
Environmental chemistry	3	24	12	18	25	151	41	274	
	1.1%	8.8%	4.4%	6.6%	9.1%	55.1%	15.0%	100.0%	
	0.5%	2.3%	1.9%	1.1%	2.7%	3.7%	5.1%	2.8%	
Agricultural/ food chemistry	2	6	2	5	6	132	30	183	
	1.1%	3.3%	1.1%	2.7%	3.3%	72.1%	16.4%	100.0%	
	0.3%	0.6%	0.3%	0.3%	0.6%	3.2%	3.7%	1.9%	
Physical chemistry	7	30	8	248	117	544	78	1,032	
	0.7%	2.9%	0.8%	24.0%	11.3%	52.7%	7.6%	100.0%	
	1.1%	2.9%	1.3%	14.6%	12.6%	13.4%	9.6%	10.6%	
Other chemistry	24	26	5	5	17	123	25	225	
	10.7%	11.6%	2.2%	2.2%	7.6%	54.7%	11.1%	100.0%	
	3.9%	2.5%	0.8%	0.3%	1.8%	3.0%	3.1%	2.3%	
Non-chemistry	84	62	36	70	46	170	46	514	
	16.3%	12.1%	7.0%	13.6%	8.9%	33.1%	8.9%	100.0%	
	13.5%	6.1%	5.7%	4.1%	5.0%	4.2%	5.7%	5.3%	
No Response	114	36	51	65	44	145	41	496	
	23.0%	7.3%	10.3%	13.1%	8.9%	29.2%	8.3%	100.0%	
	18.4%	3.5%	8.1%	3.8%	4.7%	3.6%	5.1%	5.1%	
TOTAL	621	1,022	627	1,697	929	4,062	811	9,769	
	6.4%	10.5%	6.4%	17.4%	9.5%	41.6%	8.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 13.1.1

POSTDOCTORAL RESPONDENTS by ACADEMIC EMPLOYER and RACE/ETHNICITY
1985 Survey of ACS Members

RACE/ETHNICITY

SCHOOL	Black	Hispanic	American Indian	Chinese	Japanese	Korean	Subcon. Indian	Other Asian	White	Other Race	No Response	TOTAL	
High school	0	0	0	0	0	0	0	0	2	0	0	2	-Count
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%	-% of Row
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.3%	-% of Col
Medical or prof. school	1	0	0	5	1	1	4	3	77	0	1	93	
	1.1%	0.0%	0.0%	5.4%	1.1%	1.1%	4.3%	3.2%	82.8%	0.0%	1.1%	100.0%	
	20.0%	0.0%	0.0%	18.5%	7.1%	25.0%	10.3%	13.6%	16.2%	0.0%	20.0%	15.3%	
Associate	0	0	0	0	0	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Bachelors	0	0	0	2	0	0	0	2	0	0	0	4	
	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	100.0%	
	0.0%	0.0%	0.0%	7.4%	0.0%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%	0.7%	
Masters	0	1	0	1	0	0	0	0	5	0	0	7	
	0.0%	14.3%	0.0%	14.3%	0.0%	0.0%	0.0%	0.0%	71.4%	0.0%	0.0%	100.0%	
	0.0%	12.5%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	1.1%	
Doctorate	4	6	0	15	10	3	34	16	358	8	2	456	
	0.9%	1.3%	0.0%	3.3%	2.2%	0.7%	7.5%	3.5%	78.5%	1.8%	0.4%	100.0%	
	80.0%	75.0%	0.0%	55.6%	71.4%	75.0%	87.2%	72.7%	75.2%	100.0%	40.0%	74.9%	
No Response	0	1	1	4	3	0	1	1	34	0	2	47	
	0.0%	2.1%	2.1%	8.5%	6.4%	0.0%	2.1%	2.1%	72.3%	0.0%	4.3%	100.0%	
	0.0%	12.5%	100.0%	14.8%	21.4%	0.0%	2.6%	4.5%	7.1%	0.0%	40.0%	7.7%	
TOTAL	5	8	1	27	14	4	39	22	476	8	5	609	
	0.8%	1.3%	0.2%	4.4%	2.3%	0.7%	6.4%	3.6%	78.2%	1.3%	0.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 13.2.1

POSTDOCTORAL RESPONDENTS by RACE/ETHNICITY and CITIZENSHIP
1985 Survey of ACS Members

RACE/ETHNICITY	CITIZENSHIP					
	U.S. Native	U.S. Naturalized	U.S. Permanent Resident	Other Visa	No Response	TOTAL
Black	2	0	0	3	0	5 -Count
	40.0%	0.0%	0.0%	60.0%	0.0%	100.0% -% of Row
	0.5%	0.0%	0.0%	3.3%	0.0%	0.8% -% of Col
Hispanic	5	1	1	1	0	8
	62.5%	12.5%	12.5%	12.5%	0.0%	100.0%
	1.1%	7.1%	1.5%	1.1%	0.0%	1.3%
American Indian	0	0	0	1	0	1
	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
	0.0%	0.0%	0.0%	1.1%	0.0%	0.2%
Chinese	5	2	10	10	0	27
	18.5%	7.4%	37.0%	37.0%	0.0%	100.0%
	1.1%	14.3%	14.7%	11.0%	0.0%	4.4%
Japanese	3	1	1	9	0	14
	21.4%	7.1%	7.1%	64.3%	0.0%	100.0%
	0.7%	7.1%	1.5%	9.9%	0.0%	2.3%
Korean	0	1	1	2	0	4
	0.0%	25.0%	25.0%	50.0%	0.0%	100.0%
	0.0%	7.1%	1.5%	2.2%	0.0%	0.7%
Subcontinental Indian	0	1	19	19	0	39
	0.0%	2.6%	48.7%	48.7%	0.0%	100.0%
	0.0%	7.1%	27.9%	20.9%	0.0%	6.4%
Other Asian	0	1	12	9	0	22
	0.0%	4.5%	54.5%	40.9%	0.0%	100.0%
	0.0%	7.1%	17.6%	9.9%	0.0%	3.6%
White	413	7	20	36	0	476
	86.8%	1.5%	4.2%	7.6%	0.0%	100.0%
	94.9%	50.0%	29.4%	39.6%	0.0%	78.2%
Other Race	4	0	3	1	0	8
	50.0%	0.0%	37.5%	12.5%	0.0%	100.0%
	0.9%	0.0%	4.4%	1.1%	0.0%	1.3%
No Response	3	0	1	0	1	5
	60.0%	0.0%	20.0%	0.0%	20.0%	100.0%
	0.7%	0.0%	1.5%	0.0%	100.0%	0.8%
TOTAL	435	14	68	91	1	609
	71.4%	2.3%	11.2%	14.9%	0.2%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 13.3.1

POSTDOCTORAL RESPONDENTS by SEX and YEARS SINCE B.S.
1985 Survey of ACS Members

	SEX				
YEARS SINCE BS	Men	Women	No Response	TOTAL	
0-1	1	2	0	3	-Count
	33.3%	66.7%	0.0%	100.0%	-% of Row
	0.2%	1.7%	0.0%	0.5%	-% of Col
2-4	10	0	0	10	
	100.0%	0.0%	0.0%	100.0%	
	2.1%	0.0%	0.0%	1.6%	
5-9	291	79	1	371	
	78.4%	21.3%	0.3%	100.0%	
	59.9%	65.3%	50.0%	60.9%	
10-14	142	26	0	168	
	84.5%	15.5%	0.0%	100.0%	
	29.2%	21.5%	0.0%	27.6%	
15-19	26	6	0	32	
	81.3%	18.8%	0.0%	100.0%	
	5.3%	5.0%	0.0%	5.3%	
20-24	9	4	0	13	
	69.2%	30.8%	0.0%	100.0%	
	1.9%	3.3%	0.0%	2.1%	
25-29	0	3	0	3	
	0.0%	100.0%	0.0%	100.0%	
	0.0%	2.5%	0.0%	0.5%	
30-34	2	0	0	2	
	100.0%	0.0%	0.0%	100.0%	
	0.4%	0.0%	0.0%	0.3%	
35-39	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	
>=40	1	0	0	1	
	100.0%	0.0%	0.0%	100.0%	
	0.2%	0.0%	0.0%	0.2%	
No Response	4	1	1	6	
	66.7%	16.7%	16.7%	100.0%	
	0.8%	0.8%	50.0%	1.0%	
TOTAL	486	121	2	609	
	79.8%	19.9%	0.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

American Chemical Society

OFFICE OF THE
EXECUTIVE DIRECTOR

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4600

February 22, 1985

Dear Member:

The American Chemical Society makes an annual report on the economic status of the chemical profession, usually as reflected in a sample survey of its membership. This year, we are asking every ACS member in the U.S. who is under 70 years of age and neither retired nor a student to participate. The survey is sponsored by the Council Committee on Economic Status.

The questionnaire before you touches on three topics: salary, the demographic composition of the membership, and members' jobs: how they are structured and how members rate them. These questions asked of such a large group will allow us to report to you on many more groups within the ACS than was previously possible. Information will now be available for more chemistry specialties, more industrial sectors, smaller geographic areas and other groups such as women chemists, chemists employed in government, chemists with the master's as the highest degree, chemists employed part-time, and handicapped chemists.

Your participation will be an important service to your colleagues, because a high response rate is needed to assure accurate results. Please take a few minutes now, while the survey form is before you, to fill out the questionnaire and return it in the enclosed postage-paid envelope. The procedure is confidential, and the information you provide will be combined with returns from other members so that only aggregated data will be available.

Findings will be reported to ACS members in several ways in 1985. Preliminary results will be presented at the spring meeting in Miami Beach and a summary of the findings will appear in CHEMICAL AND ENGINEERING NEWS late this spring. Detailed analyses will be published by the ACS as Salaries 1985 and Women Chemists 1985.

Thank you for your assistance.

Sincerely,

John K Crum

John K Crum
Executive Director

Encl.

TR/nb

AMERICAN CHEMICAL SOCIETY

1985 Comprehensive Salary and Employment Status Survey

I. EDUCATION AND EMPLOYMENT STATUS

a. PLEASE INDICATE THE YEAR IN WHICH YOU EARNED ANY OF THE FOLLOWING DEGREES:

Bachelor's	19☐☐	1-2
Master's	19☐☐	3-4
Doctorate	19☐☐	5-6

b. PLEASE CHECK THE APPROPRIATE BOX IN EACH COLUMN.

	Field of highest degree	ONE specialty most related to your current or most recent job
Chemical engineering	☐ 01	☐ 01
Biochemistry	☐ 02	☐ 02
General chemistry	☐ 03	☐ 03
Analytical chemistry	☐ 04	☐ 04
Inorganic chemistry	☐ 05	☐ 05
Organic chemistry	☐ 06	☐ 06
Polymer chemistry	☐ 07	☐ 07
Pharmaceutical chemistry	☐ 08	☐ 08
Medicinal/clinical chemistry	☐ 09	☐ 09
Theoretical chemistry	☐ 10	☐ 10
Environmental chemistry	☐ 11	☐ 11
Agricultural/food chemistry	☐ 12	☐ 12
Physical chemistry	☐ 13	☐ 13
Other chemical science	☐ 14	☐ 14
Non-chemistry	☐ 15	☐ 15

7-10

c. Please check the ACS LOCAL SECTION to which you belong.

Orange County	☐ 01	Midland	☐ 14
Santa Clara	☐ 02	New York	☐ 15
Southern California	☐ 03	Northeastern	☐ 16
California	☐ 04	North Jersey	☐ 17
Akron	☐ 05	Philadelphia	☐ 18
Chicago	☐ 06	Pittsburgh	☐ 19
Cincinnati	☐ 07	Puget Sound	☐ 20
Cleveland	☐ 08	Rochester	☐ 21
Columbus	☐ 09	Southeastern Texas	☐ 22
Connecticut Valley	☐ 10	St. Louis	☐ 23
Dallas-Ft. Worth	☐ 11	Washington, D.C.	☐ 24
Detroit	☐ 12	Western Connecticut	☐ 25
Maryland	☐ 13	Other Local Section	☐ 26

11-12

d. PLEASE ENTER YOUR PRIMARY EMPLOYMENT STATUS AS OF MARCH 1, 1985. CHOOSE THE ONE CATEGORY THAT BEST FITS YOUR SITUATION.

Employed full-time (35 hours or more per week)	☐ 1
Employed part-time	☐ 2
Postdoctoral or other fellowship	☐ 3
Not employed but actively seeking employment	☐ 4
Not employed and NOT seeking employment	☐ 5

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e. If you were UNEMPLOYED on March 1, how long had you been unemployed?

Less than 1 month	☐ 1
1 to 3 months	☐ 2
4 to 6 months	☐ 3
7 to 12 months	☐ 4
More than 1 year	☐ 5

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f. If your most recent or current job is PART-TIME, please indicate the fraction of full-time that best describes that position.

1/4 or less	☐ 1
1/3	☐ 2
1/2	☐ 3
2/3	☐ 4
3/4 or more	☐ 5

15

g. If your most recent or current job is PART-TIME, what is the main reason for that status?

Prefer part-time work	☐ 1
Full-time work not available	☐ 2
Constraints due to family or marital status	☐ 3
Other	☐ 4

16

II. QUESTIONS ABOUT YOURSELF

a. Your sex:

Male	☐ 1	
Female	☐ 2	17

b. Your marital status:

Single, never married	☐ 1
Single, previously married	☐ 2
Currently married to a chemist	☐ 3
Currently married to a scientist, non-chemist	☐ 4
Currently married to a non-scientist	☐ 5

18

c. Age at last birthday before March 1, 1985:

☐☐ years old 19-20

d. Are you physically handicapped?

No	☐ 1
Legally blind	☐ 2
75% or more hearing loss	☐ 3
Neurological, neuromuscular or orthopedic impairment	☐ 4
Multiple impairment as above	☐ 5

21

e. Citizenship or visa status:

U.S. native	☐ 1
U.S. naturalized	☐ 2
U.S. permanent resident visa	☐ 3
Other visa	☐ 4

22

f. Racial or ethnic group:

Black (not of Hispanic origin)	☐ 01
Hispanic	☐ 02
American Indian or Alaskan Native	☐ 03
Chinese	☐ 04
Japanese	☐ 05
Korean	☐ 06
Subcontinental Indian	☐ 07
Other Asian or Pacific Islander	☐ 08
White	☐ 09
Other race or ethnic group	☐ 10

23-24

g. How many years of professional work experience, including postdoctoral study, have you had?

☐☐ years 25-26

h. Please enter the two-letter post office abbreviation for the STATE in which you live.

☐☐ 27-28

IF YOU ARE NOT CURRENTLY EMPLOYED, PLEASE SKIP TO SECTION IV, MOST RECENT OR CURRENT JOB.

III. CURRENT SALARY AND JOB EVALUATION

a. If you are CURRENTLY EMPLOYED, how long have you worked for your current employer?

Less than one year ☐ 1
1 to 3 years ☐ 2
3 to 5 years ☐ 3
5 years or more ☐ 4 29

b. BASE ANNUAL SALARY from PRINCIPAL JOB as of March 1, 1985. (DO NOT INCLUDE payments for bonus, second job, overtime work, summer teaching, or other supplemental earnings or employment.) If zero, please indicate.

$☐☐☐OO per year 30-32
If $100,000 or more, please check here ☐ 1 32

c. SUPPLEMENTAL INCOME from PRINCIPAL EMPLOYER during calendar year 1984. (INCLUDE payments for bonus, overtime work, grants administered by your employer, summer teaching, or other supplemental earnings.) If zero, please indicate.

$☐☐☐OO per year 33-35
If $100,000 or more, please check here ☐ 1 35

d. SUPPLEMENTAL INCOME from OTHER PROFESSIONAL WORK during calendar year 1984. (INCLUDE payments for second job, consulting, contracting, or other supplemental employment in your profession.) If zero, please indicate.

$☐☐☐OO per year 36-38
If $100,000 or more, please check here ☐ 1 38

PLEASE EVALUATE THE FOLLOWING STATEMENTS AND INDICATE WHETHER YOU AGREE OR DISAGREE

e. My employer pays me fairly in comparison with other employees who have similar duties and responsibilities.

Strongly agree ☐ 1
Agree ☐ 2
No opinion ☐ 3
Disagree ☐ 4
Strongly disagree ☐ 5 39

f. My chances for PROFESSIONAL advancement as a scientist within my company or organization are as good as those of other employees with equivalent qualifications and experience.

Strongly agree ☐ 1
Agree ☐ 2
No opinion ☐ 3
Disagree ☐ 4
Strongly disagree ☐ 5 40

g. My chances for MANAGERIAL or administrative advancement within my company or organization are as good as those of other employees with equivalent qualifications and experience.

Strongly agree ☐ 1
Agree ☐ 2
No opinion ☐ 3
Disagree ☐ 4
Strongly disagree ☐ 5 41

h. Most of the time, I'm satisfied with my job.

Strongly agree ☐ 1
Agree ☐ 2
No opinion ☐ 3
Disagree ☐ 4
Strongly disagree ☐ 5 42

i. I feel that my job is secure for the next five years.

Strongly agree ☐ 1
Agree ☐ 2
No opinion ☐ 3
Disagree ☐ 4
Strongly disagree ☐ 5 43

IV. DESCRIBE YOUR MOST RECENT OR CURRENT JOB.

IF YOUR MOST RECENT OR CURRENT EMPLOYER IS NOT AN ACADEMIC INSTITUTION, GO TO SECTION IV.B. ON THE BACK PAGE.

A. MOST RECENT OR CURRENT EMPLOYMENT IS IN AN ACADEMIC INSTITUTION.

a. Current (or most recent) principal employer.

i. Public institution ☐ 1 Private institution ☐ 2 44

ii. High school ☐ 1
Medical or professional school ☐ 2
College or university where the highest degree offered in chemical science is:
Associate ☐ 3
Bachelor's ☐ 4
Master's ☐ 5
Doctorate ☐ 6 45

b. Your academic rank:

Full professor ☐ 1
Associate professor ☐ 2
Assistant professor, tenure track ☐ 3
Instructor, lecturer, or non-tenure track ☐ 4
Non-teaching research associate ☐ 5
My institution does not have ranks ☐ 6 46

c. Your administrative title:

None ☐ 1
Department head or chair ☐ 2
Dean (including assistant and associate) ☐ 3
Other college level administrator ☐ 4
Other university level administrator ☐ 5
Secondary school administrator ☐ 6 47

d. Have you been granted tenure?

Yes ☐ 1
No ☐ 2 48

e. Your basic contract is for a period of:

9 or 10 months ☐ 1
11 or 12 months ☐ 2 49

f. About what fraction of your total academic year assignment is devoted to:

	1/4 or less	1/3	1/2	2/3	3/4	full-time	
Teaching	☐	☐	☐	☐	☐	☐	50
Research	☐	☐	☐	☐	☐	☐	51
Administration	☐	☐	☐	☐	☐	☐	52
Other	☐1	☐2	☐3	☐4	☐5	☐6	53

g. What was your principal professional activity during the SUMMER of 1984?

Teaching ☐ 1
Funded research or study ☐ 2
Unpaid scholarly/academic ☐ 3
Administration ☐ 4
Consulting ☐ 5
Non-academic employment ☐ 6
Other ☐ 7 54

STOP. YOU HAVE COMPLETED THE QUESTIONNAIRE. PLEASE USE THE BLANK SPACE ON THE BACK OF THIS FORM FOR COMMENTS.

IV.B. MOST RECENT OR CURRENT EMPLOYMENT IS NOT IN AN ACADEMIC INSTITUTION.

a. Current (or most recent) principal employer.

Private industry
- Manufacturing
  - Chemicals ☐ 01
  - Agricultural chemicals ☐ 02
  - Coatings ☐ 03
  - Food ☐ 04
  - Metals, minerals ☐ 05
  - Paper ☐ 06
  - Petroleum ☐ 07
  - Pharmaceuticals, personal care ☐ 08
  - Rubber ☐ 09
  - Biochemical products ☐ 10
  - Electronics ☐ 11
  - Other manufactures ☐ 12
- Non-manufacturing ☐ 13

Government non-academic
- Federal ☐ 14
- State or local ☐ 15
- Military ☐ 16

Other non-academic
- Hospital, independent laboratory ☐ 17
- Other non-profit organization, other research institution ☐ 18
- Self-employed ☐ 19
- Other employment ☐ 20 55-56

b. Check the ONE work function that best describes your job.

- Research and Development
  - Management or administration of R&D ☐ 01
  - Basic research ☐ 02
  - Applied research, Development, Design ☐ 03
- General management, Administration (other than research and development) ☐ 04
- Marketing, Sales, Purchasing, Technical service, Economic evaluation ☐ 05
- Production, Quality control ☐ 06
- Forensic analysis, Other laboratory analysis ☐ 07
- Writing, Editing, Abstracting, Library services ☐ 08
- Data processing ☐ 09
- Consulting ☐ 10
- Other ☐ 11 57-58

c. Are you currently on a separate "promotional ladder" for non-management research professionals?

Yes ☐ 1 No ☐ 2 59

d. Were you eligible for a bonus during calendar 1984?

Yes ☐ 1 No ☐ 2 60

e. How many people do you supervise, directly or indirectly? Please enter the actual number if it is between 0 and 99; 99 if the number is 100 or more.

- Professionals ☐☐ 61-62
- Technicians ☐☐ 63-64
- Others, including production workers ☐☐ 65-66

f. What is the highest level at which you make decisions concerning equipment purchase or capital investment?

- None ☐ 1
- My own equipment ☐ 2
- Departmental equipment ☐ 3
- Plant-wide equipment ☐ 4
- Firm-wide investments ☐ 5 67

g. Do you have the authority to influence the pay of others?

Yes ☐ 1 No ☐ 2 68

h. Do you have the authority to hire, transfer, or remove other employees?

Yes ☐ 1 No ☐ 2 69

STOP. YOU HAVE COMPLETED THE QUESTIONNAIRE. PLEASE USE THE BLANK SPACE BELOW FOR COMMENTS.

THANK YOU FOR YOUR PARTICIPATION.
PLEASE RETURN THIS QUESTIONNAIRE TO
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Room 202, 1155 16th Street NW, Washington, DC 20036

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